

PHASE I ENVIRONMENTAL SITE ASSESSMENT

**BOONE ROAD WATER PLANT
8602 WILCREST DRIVE
HOUSTON, HARRIS COUNTY, TEXAS**

Prepared For:

**CITY OF HOUSTON
900 BAGBY, 2ND FLOOR
HOUSTON, TEXAS 77002**

Prepared By:

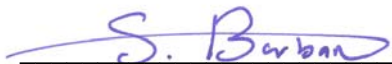
**ENVIRONMENTAL CONSULTING SERVICES, INC.
HOUSTON, TEXAS**

ECS PROJECT NO. 60501084

**LINA A. JAZI
PROJECT DIRECTOR**


Signature

**SAM BARBAR
SENIOR PROJECT MANAGER**


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MAY 2006



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ENVIRONMENTAL CONSULTING SERVICES, INC.

May 24, 2006

Mr. Gabriel Mussio
City of Houston
900 Bagby, 2nd Floor
Houston, Texas 77002

RE: Phase I Environmental Site Assessment
Boone Road Water Plant
8602 Wilcrest Drive
Houston, Harris County, Texas
ECS Project No.: 60501084

Dear Mr. Mussio:

Environmental Consulting Services, Inc. (ECS) is pleased to present the results of the Phase I Environmental Site Assessment conducted at the above referenced property.

This report includes the results of our findings from visual reconnaissance, historical land use review, and records review. An assessment of the information was made to arrive at the conclusions stated and the recommendations presented.

We appreciate the opportunity to be of service to you and look forward to working on future assignments. Should you have any question concerning this report or if we can assist you in any other matter, please feel free to contact us.

Sincerely,
Environmental Consulting Services, Inc.

A blue ink signature of Lina A. Jazi, written in a cursive style.

Lina A. Jazi
President

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1. EXECUTIVE SUMMARY

Environmental Consulting Services, Inc. (ECS) was retained by City of Houston to perform a Phase I Environmental Site Assessment (ESA) on a tract of land located at 8602 Wilcrest Drive, in Houston, Harris County, Texas. This assessment was performed, in part, to satisfy one of the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) innocent landowner defense; that is, the practices that constitute “all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice,” as defined in 42 USC 9601(35)(B) and was performed in conformance with the scope and limitations of American Society of Testing and Materials (ASTM) Practice E 1527-05.

The subject property consists of 0.5071 acre tract of land out of Reserve “A” of Glenshannon, Section 2, Volume 172, Page 113 of the Map Records of Harris County, Texas (HCAD Account #1034260000001). It has been owned by the City of Houston since January 2, 1988.

The subject property is currently vacant and undeveloped. It is bound to the north by a drainage ditch, to the east by Wilcrest Drive, to the south and west by Wilcrest Park Apartments. Surface coverage consists of native grass and few trees. Storm drains are located on the northern side. A chain-link fence runs along the boundaries of the subject property. A concrete sidewalk runs along the southern boundary of the subject property. Gas (Copano NGL Services) and petroleum (TEPPCO-PETRO) pipeline markers are observed on the southeast and northwest corners of the subject property.

A site inspection was performed by Mr. Danny Srubar on May 11, 2006. The subject property was inspected for obvious or potential sources of environmental contamination. No obvious indications of underground or above ground storage tanks (USTs/ASTs), hydraulic lifts, pits, ponds, lagoons, groundwater monitoring wells, surficial staining, or stressed vegetation were observed on the subject property during the on-site inspection.

From a review of the aerial photographs, it appears the subject property was used as a water plant from the 1970s through the 1990s. Aboveground storage tanks appear in the 1978, 1986 and 1996 aerial photographs. During the site inspection, there was no indication of spills or soil stains. Given the past use of the property as a water plant, the identified tanks appear to be water tank.

ECS reviewed historical aerial photographs, city directories, and regulatory database listings to determine if the subject property or nearby properties have indications of *recognized environmental conditions*. Based on our review, *recognized environmental conditions* associated with the subject property have been identified as follows:

- The subject property is listed as a Petroleum Storage Tank (PST) facility. A review performed by GeoSearch shows a 1,000-gallon diesel underground storage tank (UST) removed from the ground on December 14, 1993. Although the subject property is not listed as a Leaking Petroleum Storage Tank (LPST) facility, no further information was available as to the removal of the UST. ECS recommends further file investigation into the UST removal, and possible subsurface investigation to determine if any possible leaks from the UST could have adversely affected the subject property.

Although not considered *recognized environmental conditions*, the following conditions warrant mention:

- Pole-mounted transformers were observed along the northeast boundary of the subject property. They appeared rusted at the time of the site visit. ECS recommends inspecting the transformers to determine if any leaks may have occurred. If so, soil testing close to the transformers should be performed to determine if any leaks may have adversely impacted the subject property.
- Gas and petroleum pipeline markers were observed on the northwest and southeast corners of the subject property. The exact location of the pipelines should be determined prior to any excavation and/or renovation activities. In addition, the regulatory status of the pipelines should be periodically reviewed to monitor leaks or changing conditions that could represent environmental concerns to the subject property.

These conclusions have been based on a limited inspection and research of public documents pertaining to the subject property. Conclusions drawn by others from the results of this assessment should recognize the limitations of the methods used. This report was produced for the exclusive use of the City of Houston and his authorized representatives. Further dissemination of this report without prior written authorization from ECS and the City of Houston is strictly prohibited.

While the Executive Summary is an integral part of this report, it is presented only for the reader's convenience and should not be used in lieu of reading the entire report. The reader is expected to read the entire text of this report for interpretive discussions relevant to the services provided herein.

2. INTRODUCTION

2.1. Objective

Environmental Consulting Services, Inc. (ECS) was retained by the City of Houston to conduct a Phase I Environmental Site Assessment (ESA) on a tract of land located at 8602 Wilcrest Drive, Houston, Harris County, Texas.

This assessment was performed in part to satisfy one of the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) innocent landowner defense; that is, the practices that constitute “all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice,” as defined in 42 USC 9601(35)(B).

The objective of the Phase I ESA was to identify, to the extent feasible, the *recognized environmental conditions* in connection with the subject property.

The term *recognized environmental conditions* is defined as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any such substances into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

2.2. Scope of Services

The following components comprise the fundamental scope under which the Phase I ESA was performed.

- Section 3 - An overview of the subject property, including location, general description, and property use and occupancy;
- Section 4 - A summary of site historical information, including a review of title records, aerial photographs, sanborn maps and city directories;

- Section 5 - A description of the environmental setting of the property, including topography, flood potential, and hydrogeology;
- Section 6 - Results of the site inspection, including a visual inspection for indications of soil, groundwater, and surface water contamination and other hazards, and an evaluation of the environmental condition of the areas surrounding the subject property;
- Section 7 - A review of federal, state and local regulatory records to determine if the subject property or adjoining property have faced or are currently facing any regulatory actions, fines, or violations; and,
- Section 8 - Conclusions and recommendations.

Site photographs are presented in *Appendix A*. Ownership Records, Aerial Photographs, Sanborn Maps and city directories are included in *Appendix B*. Regulatory Records utilized in the preparation of this report are included in *Appendix C*. Records of Communication and are included in *Appendix D*.

2.3. Qualifications & Limitations

This work product was performed consistent with standards of care and diligence normally practiced by recognized environmental consulting and engineering firms in performing services of a similar nature. This warranty is in lieu of all other warranties either expressed or implied. This company is not responsible for the independent conclusions, opinions or recommendations made by others.

ECS relied on information obtained from regulatory officials and other private individuals. ECS assumes that the information provided is true and accurate. Undetected environmental risks may be present and not documented by regulatory agency files. Therefore, ECS does not warrant, guarantee, or certify the accuracy or completeness of such regulatory information. ECS disclaims any and all liability for errors, omissions, or inaccuracies in such information and data, and for any and all inaccurate conclusions, inadvertent or otherwise, which may be based on such inaccurate information and data obtained from third parties.

From the research performed, one cannot determine whether any hazardous or toxic materials were used, stored, disposed of, or handled on the subject site during the period in review. Beyond such interpretation of the background information obtained through the course of this assessment, ECS personnel cannot make any further deductions.

The conclusions presented are based on regulatory information and a walk-through of the subject site. No subsurface investigation and/or testing were performed. Therefore, ECS cannot rule out the potential presence of hazardous materials, underground storage tanks, and any contamination on-site.

The conclusions and recommendations describe only the conditions present at the time of our assessment, in areas that were observed. Changes may result with the passage of time with respect to site characteristics and those of surrounding properties. Opinions and recommendations presented herein apply to site conditions existing at the time of our investigation and those reasonably foreseeable; they cannot necessarily apply to site changes of which this office is not aware and has not had the opportunity to evaluate. ECS and its representatives do not warrant against future changes in operations or conditions, nor do warrant conditions present of a type or at a location not addressed in this study.

Conclusions regarding the potential environmental impact of off-site facilities to the subject site are based upon available information from environmental databases and the assumed groundwater flow direction (based upon topographic slope). Actual groundwater conditions, including direction of flow, can only be determined through the installation of monitoring wells on the subject site.

This environmental site assessment cannot wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with the subject property. Performance of the ESA (ASTM Practice) is intended to reduce, but not eliminate, uncertainty regarding the potential for such conditions, and the ASTM Practice recognizes reasonable limits of time and cost.

This report does not constitute an appraisal of value or legal opinion, and ECS makes no representations or warranties of the fitness of the property for any specific use or value. ECS assumes no responsibility for the Client's, or a third party's, misinterpretation or improper use of this report.

ECS shall not be liable for any special, consequential, or exemplary damages resulting in whole or in part, from the Client's use of this report. Liability on the part of ECS to any impacted third party is limited to the monetary value paid for this report.

2.4. Special Terms and Conditions

This Phase I ESA was authorized by and prepared for the City of Houston for use in evaluating potential environmental risks and liabilities associated with the subject property.

2.5. User Reliance

This report was produced for the exclusive use of the City of Houston and their authorized representatives. Further dissemination of this report without prior written authorization from ECS and the City of Houston is strictly prohibited.

3. SITE DESCRIPTION

The following sections address the description and physical information pertinent to the subject site and its vicinity.

3.1. Location and Legal Description

The subject property is located at 8602 Wilcrest Drive, in Houston, Harris County, Texas. It consists of 0.5071 acre tract of land out of Reserve "A" of Glenshannon, Section 2, Volume 172, Page 113 of the Map Records of Harris County, Texas (HCAD Account #1034260000001).

3.2. Site Vicinity General Characteristics

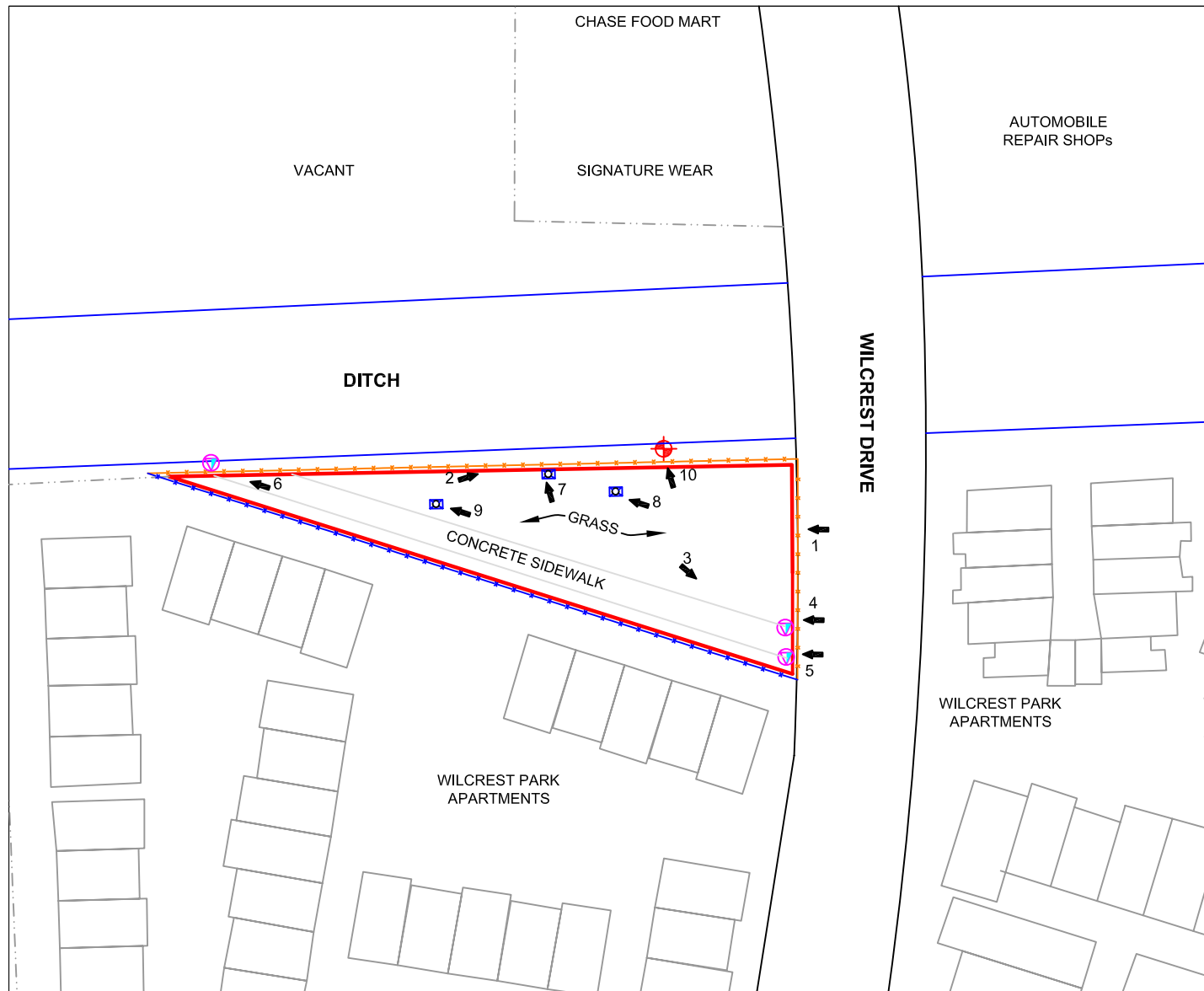
The subject property is located in an area of Harris County that has historically been developed as residential and commercial properties. Land use in the general area is currently a mixture of commercial and residential properties.

3.3. Site Overview

The subject property is currently vacant and undeveloped. Surface coverage consists of native grass and few trees. Storm drains are located on the northern side. A chain-link fence runs along the boundaries of the subject property. A concrete sidewalk runs along the southern boundary of the subject property. Gas (Copano NGL Services) and petroleum (TEPPCO-PETRO) pipeline markers are observed on the southeast and northwest corners of the subject property. Based on a review of the aerial photographs, it appears the subject property was used as a water plant from the 1970s through the 1990s. A site plan illustrating the subject property and surrounding area is presented as *Figure 1*.

3.4. Adjoining Property Uses

The subject property is bound to the north by a drainage ditch, to the east by Wilcrest Drive, to the south and west by Wilcrest Park Apartments.



LEGEND

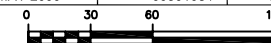
- SUBJECT PROPERTY BOUNDARY
- WOOD FENCE
- CHAIN LINK FENCE
- STORM DRAIN
- TRANSFORMERS
- PIPELINE MARKER
- PHOTOGRAPHIC LOCATION AND DIRECTION

ECS ENVIRONMENTAL CONSULTING SERVICES, INC.
5718 WESTHEIMER ROAD, Suite 1575
HOUSTON, TX 77057

SITE PLAN

PHASE I ENVIRONMENTAL SITE ASSESSMENT
BOONE ROAD WATER PLANT
8602 WILCREST DRIVE
HOUSTON, HARRIS COUNTY, TEXAS

DATE: MAY 2006 JOB NO: 60501084 SCALE: AS SHOWN



APPROXIMATE SCALE: 1"=60'

FIGURE

1



4. HISTORICAL REVIEW

The following sections discuss the historical information for the site obtained from reviewing ownership records, aerial photographs, sanborn fire insurance maps, and city directories. From the research performed, one cannot determine whether any hazardous or toxic materials were used, stored, or handled on the above site during the period in review. Beyond such an interpretation of the available historical information obtained through the course of this assessment, ECS personnel cannot make any further deductions relating to the past use of the subject property.

4.1. Current & Prior Ownership

A 50-year chain-of-title review was not requested by the Client, nor performed by ECS. Based on our review of the Harris County Appraisal District's (HCAD) Real Estate Ownership Records (Account #1034260000001), the subject property has been owned by the City of Houston since January 2, 1988. A copy of the HCAD records is included in *Appendix B*.

4.2. Aerial Photographs

Aerial photographs depicting development of the site and site vicinity were reviewed to help establish prior land use and for evidence of processes, facilities or surface features that might be an indication of storage or disposal of waste materials. The aerial photographs obtained from GeoSearch, in Austin, Texas, were dated 1944, 1953, 1978, 1986, 1996 and 2004. Copies of the photographs are included in *Appendix B*.

The 1944 and 1953 aerial photographs show the subject property vacant and undeveloped. The general vicinity appears vacant and undeveloped except for minor residential development south of the subject property.

The 1978 aerial photograph shows the subject property with two aboveground storage tanks and several structures. A drainage ditch appears adjacently north. Wilcrest Drive appears adjacently east. Residential properties appear adjacently south, as well as to the east across Wilcrest Drive. A water plant appears approximately 195 feet west of the subject property.

The 1986 aerial photograph shows the subject property relatively unchanged from the 1978 aerial photograph. The sewage treatment plant previously identified appears more developed, followed by a commercial development. Residential development appears northeast, east and adjacently south of the subject property.

The 1996 aerial photograph shows the subject property relatively unchanged from the 1986 aerial photograph. The sewage treatment plant previously identified is no longer visible. The remaining general area appears relatively unchanged from the 1986 aerial photograph.

The 2004 aerial photograph shows the subject property as it is today vacant and undeveloped. The sewage treatment plant is no longer visible. The remaining general area appears relatively unchanged from the 1996 aerial photograph.

4.3. Sanborn Fire Insurance Maps

Based on the research performed by GeoSearch, there are no historical Sanborn Fire Insurance Maps (Sanborn Maps) for the subject property and adjacent properties.

4.4. City Directories

A review of historical city directories for the subject property was performed to determine some of the commercial/industrial entities of environmental concern that occupied the subject property and/or adjacent properties. The only directories available were for 1984 and 2003. A copy of the historical city directory search results provided by GeoSearch is included in *Appendix B*.

Wilcrest Drive is not listed in the 1984 city directory.

The address of the subject property is not listed in the 2003 city directory. The only address listed is a residential property.

5. ENVIRONMENTAL SETTING

This section provides information on the geology and hydrogeology of the subject property.

5.1. Hydrologic Characteristics

A review of the U.S.G.S. Alief, Texas 7.5-minute topographic quadrangle map of the area indicates the subject property is located approximately 75 feet above mean sea level (AMSL) (*Figure 2*).

A review of the City of Houston, Texas Flood Insurance Rate Map No. 48201C0840K, dated April 20, 2000 indicates the subject property lies in Zone X unshaded, defined as “Areas determined to be outside the 500-year floodplain” (*Figure 3*).

5.2. Subsurface Geological Characteristics

The Soil Survey of Harris County, Texas published by the United States Department of Agriculture Soil Conservation Service classifies the soil beneath the subject property as the Lake Charles (LcA) (*Figure 4*). This is a nearly level soil in broad, irregular areas. Slopes average 0.2 percent. In the center of microdepressions, the surface layer is about 36 inches thick. In the upper 22 inches it is very firm, neutral, black clay. In the lower 14 inches it is very firm, mildly alkaline, very dark gray clay. The layer below that is about 16 inches thick and consists of very firm, mildly alkaline, dark gray clay that has intersecting slickensides. The next layer, to a depth of 74 inches, is very firm, mildly alkaline, gray clay that is mottled olive brown and yellowish brown. This soil is somewhat poorly drained. Surface runoff is very slow. Permeability and internal drainage are very slow. The available water capacity is high. When this soil is dry, deep wide cracks form on the surface. Water enters rapidly through the cracks, but it enters very slowly when the soil is wet and the cracks are sealed.

Radon can be found in high concentrations in certain soils and rocks containing uranium, granite, shale, phosphate, and pitchblende. It can also be found in soils contaminated with certain types of industrial wastes, such as the by-products from uranium or phosphate mining. According to the Texas Department of State Health Services (DSHS) in Austin, Texas, natural radon levels in the soils throughout Harris County are well below the specified Environmental Protection Agency (EPA) action level of 4.0 pci/l (picocuries per liter). No industrial wastes that could contain radon were observed or known to exist on the subject property.

5.3. Groundwater Characteristics

Harris County is located within the Gulf Coast Aquifer System which includes the Chicot, Evangeline, and Jasper Aquifers. The Chicot is the uppermost aquifer and extends to the surface in the study area. Shallow groundwater, which can be found at depths of less than 30 feet in the study area, is from the Chicot. Depth to shallow groundwater can vary with the seasons and with weather patterns. Groundwater movement direction is variable from location to location and may not follow the surface flow direction. Shallow groundwater is generally not used as a water source and is not considered potable.

At greater depths, the Chicot Aquifer produces sufficient quantities of water that is suitable for domestic, commercial, and light industrial purposes. The Evangeline Aquifer, which underlies the Chicot in the study area and is found at a depth of approximately 500 feet, is the major producer of groundwater in the Houston Metropolitan Area. The Evangeline produces water in sufficient amounts for domestic, commercial, and light industrial purposes in Harris County. Below the Evangeline at a depth between 1,800 feet and 2,800 feet is the Burkeville Confining System and at a depth between 2,100 feet and 3,100 feet is the Jasper Aquifer which is typically not used for water production in the subject area.

The deeper zones of water production in the Chicot and Evangeline Aquifers are usually hydraulically discontinuous with the overlying, groundwater-bearing, shallow sands and silts.

A search of requested water wells within a 1-mile radius of the subject property boundary was obtained by GeoSearch. According to GeoSearch, two (2) water wells may be located on the subject property. Six (6) additional registered water wells are plotted within a ½-mile radius of the subject property. Detailed information pertaining to the search for registered water wells is included in the GeoSearch regulatory review report in *Appendix C*.

5.4. National Wetland Inventory Map

The US Army Corps of Engineers and the US Environmental Protection Agency jointly define wetlands as follows: “Those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas”.

Wetlands such as swamps and marshes are often obvious, but some wetlands are not easily recognized, often because they are dry periodically during parts of the year. The landowner must notify the Corps of Engineers of the presence of wetlands and potentially be responsible for mitigating the “wetland area”.

A review of the National Wetland Inventory Map for Alief does not indicate possible wetlands within the subject site boundaries. A wetland determination survey was not part of the scope of services of this project and therefore was not performed. A copy of the map is included in ***Appendix C***.



ENVIRONMENTAL CONSULTING SERVICES, INC.
5718 WESTHEIMER ROAD, SUITE 1575
HOUSTON, TEXAS 77057

SITE VICINITY & TOPOGRAPHIC MAP

PHASE I ENVIRONMENTAL SITE ASSESSMENT
BOONE ROAD WATER PLANT
8602 WILCREST DRIVE
HOUSTON, HARRIS COUNTY, TEXAS

REFERENCE USGS 7.5-MINUTE TOPOGRAPHIC QUADRANGLE
ALIEF TEXAS
1982

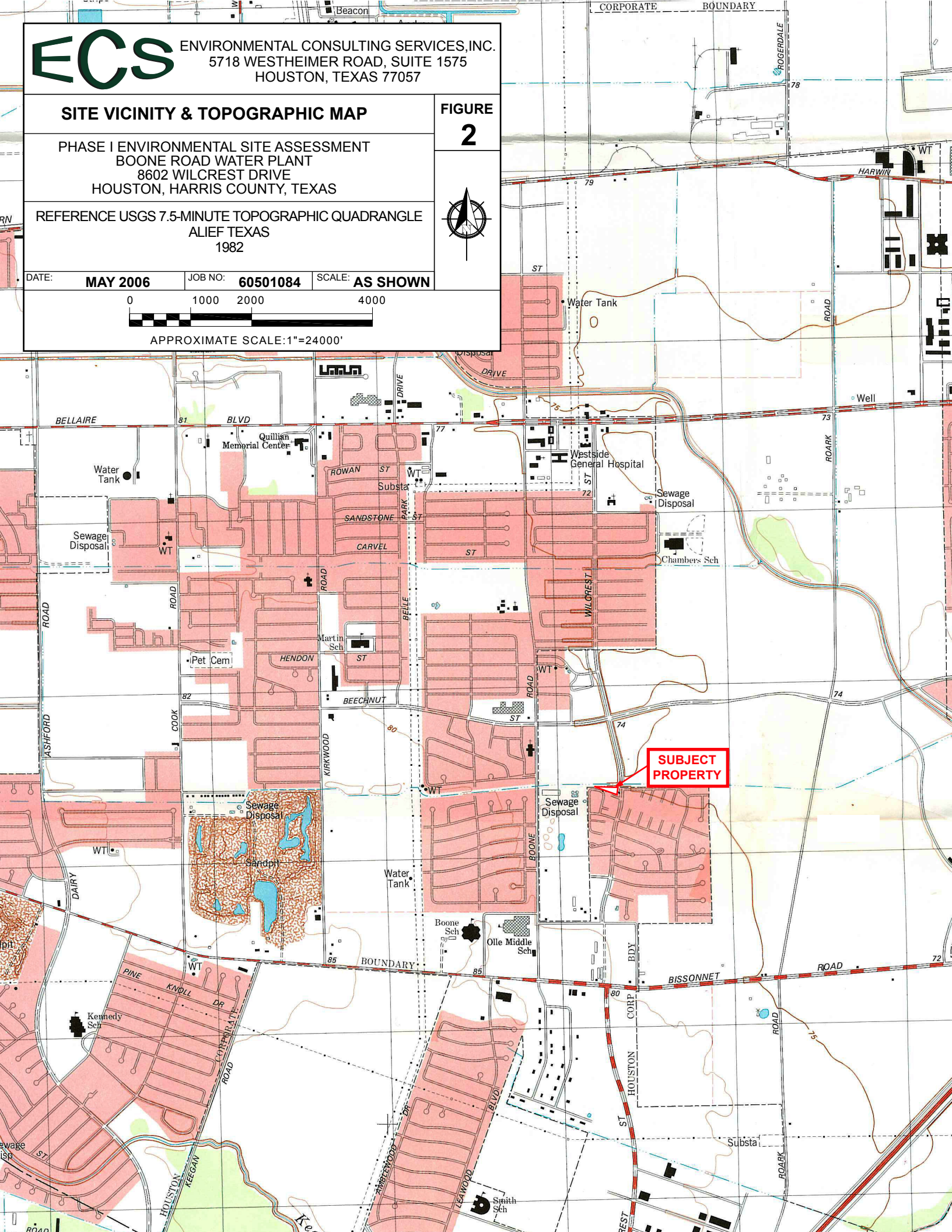
FIGURE
2



DATE: **MAY 2006** JOB NO: **60501084** SCALE: **AS SHOWN**

0 1000 2000 4000

APPROXIMATE SCALE: 1"=24000'





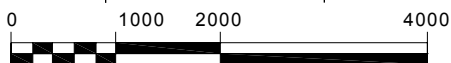
ENVIRONMENTAL CONSULTING SERVICES, INC.
5718 WESTHEIMER ROAD, SUITE 1575
HOUSTON, TEXAS 77057

SOIL SURVEY MAP

PHASE I ENVIRONMENTAL SITE ASSESSMENT
BOONE ROAD WATER PLANT
8602 WILCREST DRIVE
HOUSTON, HARRIS COUNTY, TEXAS

U.S.D.A. Soil Survey of Harris County, Texas 1976
Page Number 111

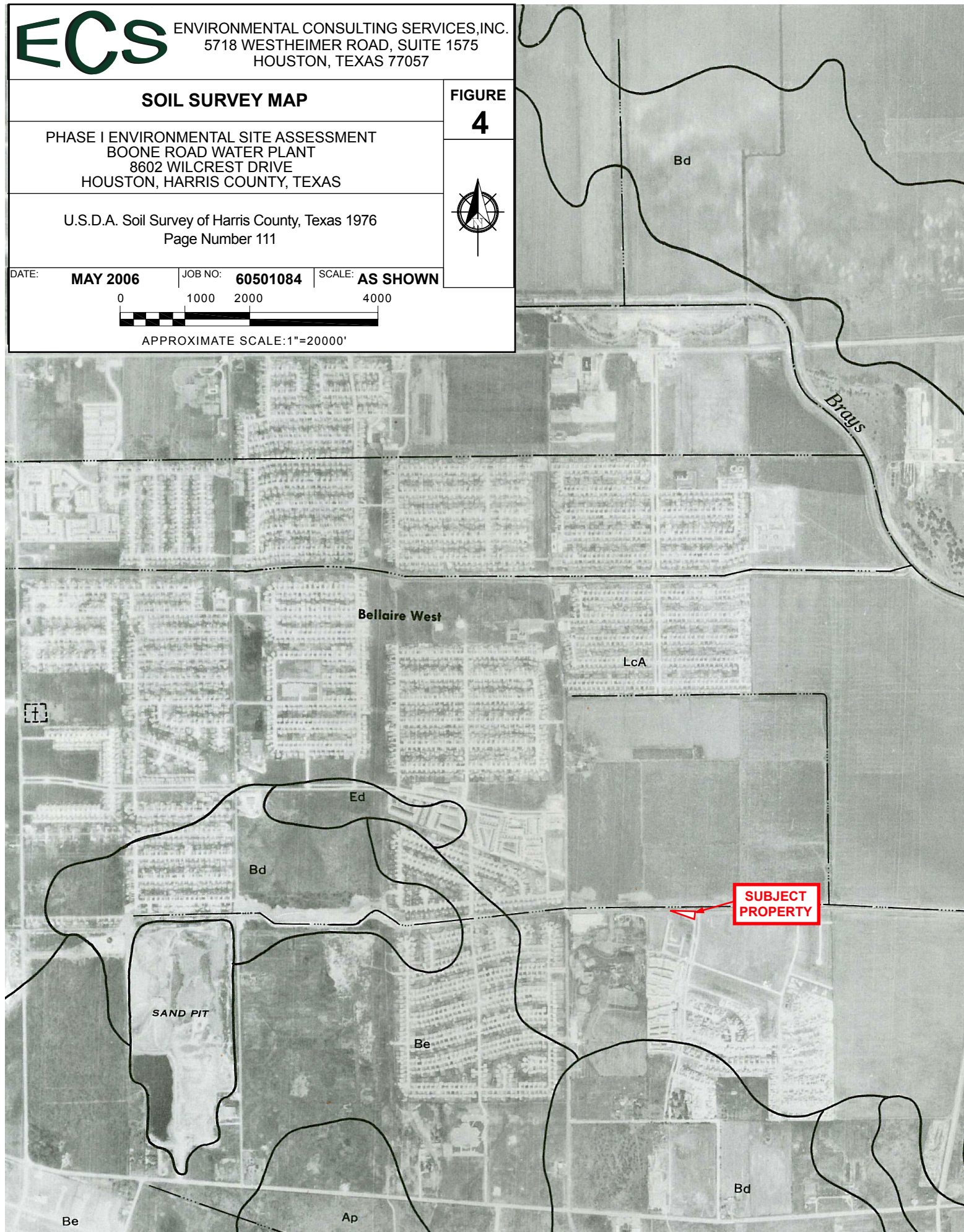
DATE: **MAY 2006** | JOB NO: **60501084** | SCALE: **AS SHOWN**



APPROXIMATE SCALE: 1"=20000'

FIGURE

4



6. SITE RECONNAISSANCE

This section describes the on-site inspection conducted for the subject property. Mr. Danny Srubar with ECS conducted an on-site inspection on May 11, 2006.

The property inspection included a visual inspection of the ground surface for signs of contamination, an inspection of the premises for other items of environmental concern, and an evaluation of the environmental condition of adjacent properties. A site map and photographs of the property taken by ECS during the visual inspection are included in *Appendix A*.

6.1 Observations

The property was inspected for obvious or potential sources of environmental contamination.

6.1.1. Hazardous Substances

ECS inspected the subject property for the presence of hazardous substances and/or chemicals, which may be located on site. No such evidence was observed at the time of the inspection. The subject property was vacant and unoccupied.

6.1.2. Electrical Transformers

Pole-mounted transformers were observed on the northeast corner of the subject property. They appeared rusted at the time of the site visit. Non-leaking, single-phase, mineral oil transformers such as these pole-mounted, electrical transformers located adjacent to the subject property have typically not been tested for polychlorinated biphenyls (PCBs) and should be assumed to be PCB contaminated (PCB content greater than 50 parts per million (ppm) but less than 500 ppm). According to previous inquiries to CenterPoint Energy, non-leaking electrical transformers may be safely utilized for their useful lives with no requirements for record keeping or testing unless a leak is discovered or testing is requested (at the requestor's expense).

6.1.3. Solid Waste/Landfills

A landfill is a disposal facility or part of a facility where hazardous waste is placed in or on land and which is not a land treatment facility, a surface impoundment, or an injection well. According to the EPA, a landfill is defined as an engineered (by excavation or construction) or natural hole in the ground into which wastes have been disposed by backfilling, or by contemporaneous soil deposition with waste disposal, covering wastes from view. The problems that the agency deems to be

associated with such a characteristics is the migration of leachates and wastes from it into the ground and adjacent surface waters, subsidence of the grounds in and above it, methane gas generation, the formation of pockets in it, and erosion. During the site visit, the subject property and the surrounding area were surveyed for the evidenced of landfills or currently active waste lagoons. No such evidence was observed.

6.1.4. Stained Soils

No stained areas were observed on the subject property at the time of the field inspection.

6.1.5. Surfaces Impoundments

A surface impoundment is a facility or part of a facility which is a natural topographic depression, man-made excavation, or diked area formed primarily of earthen materials (although it may be lined with man-made materials), which is designed to hold an accumulation of liquid wastes or wastes containing free liquids, and which is not an injection well. Examples of surface impoundments are holding, storage, settling, and aeration pits, ponds and lagoons. During the site visit, no evidence of surface impoundments was reported.

6.2. Area Reconnaissance

An area reconnaissance (windshield survey) conducted by ECS revealed the surrounding area to be a mixture of residential and commercial properties.

7. REGULATORY REVIEWS

A review of environmental regulatory records was performed to determine if the subject property or nearby properties have faced or are currently facing any regulatory actions, fines, or violations for conditions that would have an environmental impact on the subject property.

7.1. Federal and State Regulatory Agency Inquiries

The following federal and state information sources were provided by GeoSearch to determine suspected or confirmed sites of environmental concern within the following approximate minimum search distances of the subject property (specified by ASTM):

1-Mile Search Distance

- U.S. Environmental Protection Agency (USEPA) National Priorities List (NPL), also known as Superfund (including proposed and delisted);
- Delisted National Priority List (DNPL);
- Records of Decision (RODS);
- Resource Conservation and Recovery Act-Corrective Action (RCRAC);
- Texas State Superfund (TXSF).

1/2-Mile Search Distance

- USEPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS);
- No Further Remedial Action Plan (NFRAP);
- Resource Conservation and Recovery Act-Treatment, Storage & Disposal (RCRAT);
- Open Dump Inventory (ODI);
- Voluntary Cleanup Program (VCP);
- Municipal Solid Waste Landfill Sites (MSWLF);
- Closed & Abandoned Landfill Inventory (CALF);
- Leaking Petroleum Storage Tank (LPST);
- Innocent Owner/Operator Program (IOP);
- Brownfield Site Assessment (BSA).

1/4-Mile Search Distance

- Resource Conservation and Recovery Act-Generator/Handler (RCRAG);
- Petroleum Storage Tanks (PST);
- Emergency Response Notification System (ERNS);

- Texas Spills Database (Spills);
- Industrial and Hazardous Waste (IHW);
- Innocent Owner/Operator Program (IOP).

A copy of the regulatory database search results provided by GeoSearch is included in **Appendix C**.

According to GeoSearch, there are no documented NPL, DNPL RODS, RCRAC, and/or TXSF sites located within a 1-mile radius of the subject property.

According to GeoSearch, there are no CERCLIS, NFRA, RCRAT, ODI, MSWLF, CALF, IOP AND/OR BSA sites listed within a ½ -mile radius of the subject property.

According to GeoSearch, there are no ERNS, AFS, DCR and/or Spills listed within a ¼ -mile radius of the subject property.

According to GeoSearch, one (1) RCRAC facility is listed within a 1-mile radius from the subject property. This facility is listed as Global Compression Services, Inc. located at 8601 Boone Road, approximately 950 feet west of the subject property. According to GeoSearch, no violations were listed for this facility.

According to GeoSearch, one (1) VCP facility is listed within a ½-mile radius from the subject property. This facility is listed greater than 1,000 feet from the subject property.

According to GeoSearch, four (4) documented LPST sites are listed within a ½-mile radius of the subject property. The closest LPST facility is Stop N Go markets located at 8303 Wilcrest Drive, approximately 898 feet north of the subject property. According to GeoSearch, groundwater impact was documented, and LPST ID No. 091979 was issued by the TCEQ for this site. A final concurrence was issued and the case was closed by the TCEQ.

The remaining LPST facilities are listed greater than 1,000 feet from the subject property.

According to GeoSearch, the subject property is listed as a PST facility. Based on the research performed by GeoSearch, one (1) 1,000-gallon diesel UST was removed from the ground on December 14, 1993. This facility is not listed as an LPST.

Two (2) additional documented PST sites are listed within a ¼ miles radius of the subject property. The closest PST site is Stop N Go listed at 8303 Wilcrest Drive, approximately 898 feet north of the subject property. According to the research performed by GeoSearch, three (3) gasoline and one (1)

diesel USTs installed in 1985 on-site and are currently in use. This facility is also listed as leaking.

The remaining PST facility is listed greater than 1,000 feet from the subject property.

According to GeoSearch, one (1) IHW facility is listed within a ½ mile radius. This facility is listed as Global Compression Services located at 8601 Boone Road, approximately 950 feet west of the subject property. According to GeoSearch, this facility is listed as a small quantity generator.

7.2. Local Governmental Inquiries

ECS contacted Ms. Evelyn Phillips with the City of Houston, Office of Environmental Health; Ms. Sandee Wilson with Harris County Pollution Control Office; and Sr. Captain Troy Lilley with the Houston Fire Department-Hazardous Materials Response Team (HAZMAT) in writing with regard to any environmental violations associated with the subject property. Copies of the records of communication with these governmental agencies are included in *Appendix D*.

According to Ms. Sandee Wilson, no investigation reports, letter of correspondence, or any other documents were filed for the subject property.

According to the City of Houston Fire Department, no spills were reported for the subject property.

According to Ms. Evelyn Phillips with the City of Houston Environmental Health Division, no information was available for the subject property.

8. CONSLUSIONS AND RECOMMENDATIONS

Environmental Consulting Services, Inc. (ECS) has completed a Phase I Environmental Site Assessment (ESA) of a tract of land located at 8602 Wilcrest Drive, in Houston, Harris County, Texas. The Phase I ESA was performed in conformance with the scope and limitations of ASTM Practice E 1527-05. Any exceptions to, or deletions from, this practice are described within this report.

The subject property consists of 0.5071 acre tract of land out of Reserve "A" of Glenshannon, Section 2, Volume 172, Page 113 of the Map Records of Harris County, Texas (HCAD Account #1034260000001). It has been owned by the City of Houston since January 2, 1988.

The subject property is currently vacant and undeveloped. It is bound to the north by a drainage ditch, to the east by Wilcrest Drive, to the south and west by Wilcrest Park Apartments. Surface coverage consists of native grass and few trees. Storm drains are located on the northern side. A chain-link fence runs along the boundaries of the subject property. A concrete sidewalk runs along the southern boundary of the subject property. Gas (Copano NGL Services) and petroleum (TEPPCO-PETRO) pipeline markers are observed on the southeast and northwest corners of the subject property.

From a review of the aerial photographs, it appears the subject property was used as a water plant from the 1970s through the 1990s. Aboveground storage tanks appear in the 1978, 1986 and 1996 aerial photographs. During the site inspection, there was no indication of spills or soil stains. Given the past use of the property as a water plant, the identified tanks appear to be water tank.

ECS reviewed historical aerial photographs, city directories, and regulatory database listings to determine if the subject property or nearby properties have indications of *recognized environmental conditions*. Based on our review, *recognized environmental conditions* associated with the subject property have been identified as follows:

- The subject property is listed as a Petroleum Storage Tank (PST) facility. A review performed by GeoSearch shows a 1,000-gallon diesel underground storage tank (UST) removed from the ground on December 14, 1993. Although the subject property is not listed as a Leaking Petroleum Storage Tank (LPST) facility, no further information was available as to the removal of the UST. ECS recommends further file investigation into the UST removal, and possible subsurface investigation to determine if any possible leaks from the UST could have adversely affected the subject property.

Although not considered *recognized environmental conditions*, the following conditions warrant mention:

- Pole-mounted transformers were observed along the northeast boundary of the subject property. They appeared rusted at the time of the site visit. ECS recommends inspecting the transformers to determine if any leaks may have occurred. If so, soil testing close to the transformers should be performed to determine if any leaks may have adversely impacted the subject property.
- Gas and petroleum pipeline markers were observed on the northwest and southeast corners of the subject property. The exact location of the pipelines should be determined prior to any excavation and/or renovation activities. In addition, the regulatory status of the pipelines should be periodically reviewed to monitor leaks or changing conditions that could represent environmental concerns to the subject property.

These conclusions and recommendations have been based on a limited inspection and research of public documents pertaining to the subject property. Conclusions drawn by others from the results of this assessment should recognize the limitations of the methods used. This report was produced for the exclusive use of the City of Houston. Further dissemination of this report without prior written authorization from ECS and the City of Houston is strictly prohibited.

APPENDIX A

PHOTOGRAPHIC DOCUMENTATION



Photo No. 1: View of subject property looking west.



Photo No. 2: View along the North side of the subject property looking Northeast.



Photo No. 3: View of the South side of the subject property.



Photo No. 4: Pipeline markers on the Southeast corner of the subject property.



Photo No. 5: Pipeline markers on the Southeast corner of the subject property.



Photo No. 6: Pipeline marker on the Northwest corner of the subject property.



Photo No. 7: Storm drain on the North boundary of the subject property.



Photo No. 8: Storm drain on the Northeast side of subject property.



Photo No. 9: Storm drain on Northwest end of subject property.



Photo No. 10: Pole- mounted transformers on the Northeast side of the subject property.

APPENDIX B

**OWNERSHIP RECORDS
AERIAL PHOTOGRAPHS
SANBORN MAPS
CITY DIRECTORIES**

OWNERSHIP RECORDS

HARRIS COUNTY APPRAISAL DISTRICT
REAL PROPERTY ACCOUNT INFORMATION
1034260000001

Tax Year: 2006

Owner and Property Information						
Owner Name & Mailing Address: CITY OF HOUSTON PO BOX 1562 HOUSTON TX 77251-1562			Legal Description: RES A GLENSHANNON SEC 2 0 WILCREST HOUSTON TX 77099			
State Class Code	Land Use Code	Land Area	Building Area	Neighborhood	Map Facet	Key Map
X1 -- Governmental Exempt	4600 -- Vacant Exempt Land	73,930 SF	0	5936	4954C	529Q

Value Status Information				
Capped Account	Value Status	Notice Date	ARB Status	Shared CAD
No	Noticed	4/19/2006	Not Certified	No

Exemptions and Jurisdictions				
Exemption Type	Districts	Jurisdictions	2005 Rate	2006 Rate
Total	008	ALIEF ISD	1.72000	
	040	HARRIS COUNTY	0.39986	
	041	HARRIS CO FLOOD CNTRL	0.03322	
	042	PORT OF HOUSTON AUTHY	0.01474	
	043	HARRIS CO HOSP DIST	0.19216	
	044	HARRIS CO EDUC DEPT	0.00629	
	061	CITY OF HOUSTON	0.64750	

Valuations					
2005 Value			2006 Value		
	Market	Appraised		Market	Appraised
Land			Land	224,820	
Improvement			Improvement	0	
Total	224,820	224,820	Total	224,820	224,820

Land												
Market Value Land												
Line	Description	Site Code	Unit Type	Units	Size Factor	Site Factor	Appr O/R Factor	Appr O/R Reason	Total Adj	Unit Price	Adj Unit Price	Adj Value
1	4600 -- Vacant Exempt Land	SF5	SF	50,000	1.00	1.00	1.00	--	1.00	\$4.00	\$4.00	\$200,000
2	4600 -- Vacant Exempt Land	SF2	SF	11,130	1.00	1.00	1.00	--	1.00	\$2.00	\$2.00	\$22,260
3	4600 -- Vacant Exempt Land	SF3	SF	12,800	1.00	1.00	0.10	Restr or Non-Conf	0.10	\$2.00	\$0.20	\$2,560

Building												
Vacant (No Building Data)												

Ownership History: 1034260000001

Property Address

**0 WILCREST
HOUSTON TX 77099**

Owner

Effective Date

CITY OF HOUSTON

1/2/1988

[end of record]

-close window-

AERIAL PHOTOGRAPHS



PHASE I ENVIRONMENTAL SITE ASSESSMENT
BOONE ROAD WATER PLANT
8602 WILCREST DRIVE
HOUSTON, HARRIS COUNTY, TEXAS

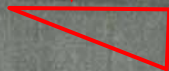
1944

AGRICULTURAL STABILIZATION &
CONSERVATION SERVICE

SCALE: 1" = 500' APPROX.



**SUBJECT
PROPERTY**





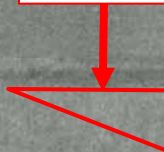
PHASE I ENVIRONMENTAL SITE ASSESSMENT
BOONE ROAD WATER PLANT
8602 WILCREST DRIVE
HOUSTON, HARRIS COUNTY, TEXAS

1953
AGRICULTURAL STABILIZATION &
CONSERVATION SERVICE

SCALE: 1" = 500' APPROX.



SUBJECT
PROPERTY



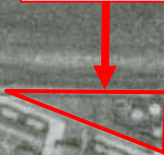


PHASE I ENVIRONMENTAL SITE ASSESSMENT
BOONE ROAD WATER PLANT
8602 WILCREST DRIVE
HOUSTON, HARRIS COUNTY, TEXAS
1978

TEXAS DEPARTMENT OF TRANSPORTATION
SCALE: 1" = 500' APPROX.



SUBJECT
PROPERTY





PHASE I ENVIRONMENTAL SITE ASSESSMENT
BOONE ROAD WATER PLANT
8602 WILCREST DRIVE
HOUSTON, HARRIS COUNTY, TEXAS
1986

TEXAS DEPARTMENT OF TRANSPORTATION
SCALE: 1" = 500' APPROX.



**SUBJECT
PROPERTY**





PHASE I ENVIRONMENTAL SITE ASSESSMENT
BOONE ROAD WATER PLANT
8602 WILCREST DRIVE
HOUSTON, HARRIS COUNTY, TEXAS

1996

UNITED STATES GEOLOGICAL SURVEY
SCALE: 1" = 500' APPROX.



SUBJECT
PROPERTY





PHASE I ENVIRONMENTAL SITE ASSESSMENT
BOONE ROAD WATER PLANT
8602 WILCREST DRIVE
HOUSTON, HARRIS COUNTY, TEXAS
2004

UNITED STATES DEPARTMENT OF
AGRICULTURE

SCALE: 1" = 500' APPROX.



**SUBJECT
PROPERTY**



SANBORN MAPS



Date: May 3, 2006

GS Job Number: 55501

Client Contact: Lina Jazi

Client Information: ECS - Houston

Project Number: 60501084

Site Information: Boone Road Water Plant
8602 Wilcrest Drive
Houston, TX

The collection of Sanborn fire insurance maps has been reviewed according to the site information listed above. Based on the information provided, no coverage is available.

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CITY DIRECTORIES

CITY DIRECTORY SEARCH

SITE ADDRESS: 8602 Wilcrest Dr., Houston, TX 77099

<u>SOURCE</u>	<u>YEAR</u>	<u>TARGET ADDRESS AND SURROUNDINGS</u>
----------------------	--------------------	---

Cole:

Greater Houston & Vicinity	2003
----------------------------	------

Wilcrest Dr.:

8591 NP

8602 Address not listed

8630 Charles F. Baas

R.L. Polk & Co.:

Houston

1984

Wilcrest Dr.:

Street not listed

Note: There were no directories available for the years 1985-2002.

APENDIX C
REGULATORY RECORDS



RADIUS REPORT WITH GEOPLUS

Property:

**Boone Road Water Plant
8602 Wilcrest Drive
Houston, TX
Project # 60501084**

Prepared For:

ECS - Houston

Job #: 55501 / Date: 05/04/06

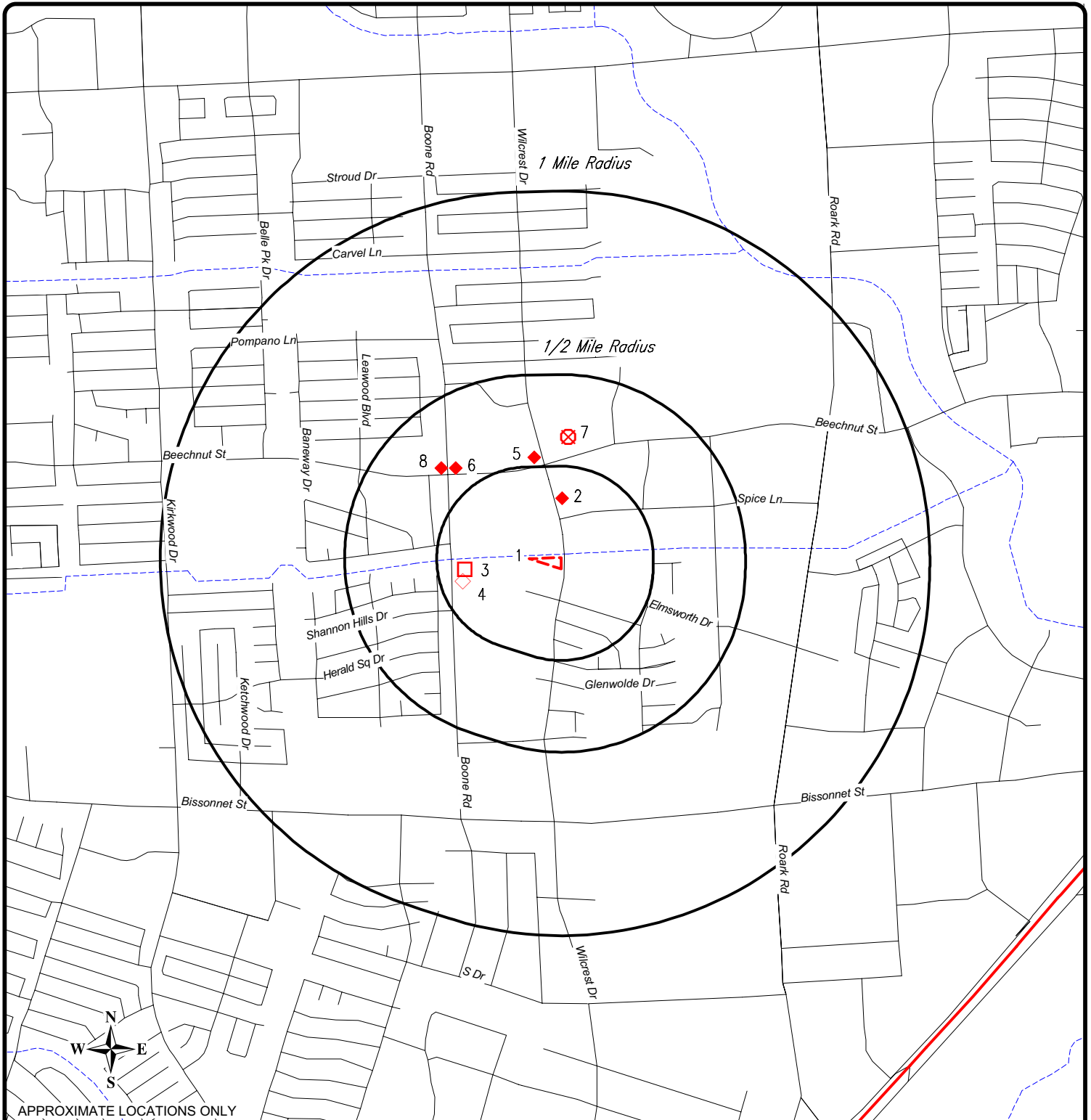
DATABASE FINDINGS SUMMARY

DATABASE	ACRONYM	LOCA-TABLE	UNLOCA-TABLE	SEARCH RADIUS
<u>FEDERAL</u>				
NATIONAL PRIORITY LIST	NPL	0	0	1.000 mi
DELISTED NATIONAL PRIORITY LIST	DNPL	0	0	1.000 mi
RECORDS OF DECISION	RODS	0	0	1.000 mi
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION & LIABILITY INFORMATION SYSTEM	CERCLIS	0	0	0.500 mi
NO FURTHER REMEDIAL ACTION PLANNED	NFRAP	0	0	0.500 mi
RESOURCE CONSERVATION & RECOVERY ACT - CORRECTIVE ACTION	RCRAC	0	0	1.000 mi
RESOURCE CONSERVATION & RECOVERY ACT - TREATMENT, STORAGE & DISPOSAL	RCRAT	0	0	0.500 mi
RESOURCE CONSERVATION & RECOVERY ACT - GENERATOR / HANDLER	RCRAG	1	0	0.250 mi
EMERGENCY RESPONSE NOTIFICATION SYSTEM	ERNS	0	0	0.250 mi
OPEN DUMP INVENTORY	ODI	0	0	0.500 mi
AIRS FACILITY SUBSYSTEM	AFS	0	0	0.250 mi
<u>STATE</u>				
STATE SUPERFUND	TXSF	0	0	1.000 mi
VOLUNTARY CLEANUP PROGRAM	VCP	1	0	0.500 mi
MUNICIPAL SOLID WASTE LANDFILL SITES	MSWLF	0	0	0.500 mi
CLOSED & ABANDONED LANDFILL INVENTORY	CALF	0	0	0.500 mi
LEAKING PETROLEUM STORAGE TANK	LPST	4	0	0.500 mi
PETROLEUM STORAGE TANKS	PST	3	0	0.250 mi
SPILLS LISTING	SPILLS	0	0	0.250 mi
INDUSTRIAL AND HAZARDOUS WASTE	IHW	1	0	0.250 mi
INNOCENT OWNER / OPERATOR PROGRAM	IOP	0	0	0.500 mi
DRY CLEANER REGISTRATION	DCR	0	0	0.250 mi
BROWNFIELD SITE ASSESMENT	BSA	0	0	0.500 mi
COMBINED WATER WELL DATABASE	WATERWELL	8	0	0.500 mi
TOTAL		18	0	
FEDERAL EMERGENCY MANAGEMENT AGENCY MAP	FEMA		ECOPY UNAVAILABLE	
NATIONAL WETLANDS INVENTORY MAP	NWI			
SOIL SURVEY MAP	SOIL			

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2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 1-866-396-0042 · fax: 512-472-9967

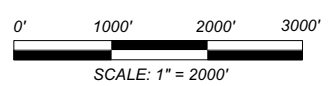


APPROXIMATE LOCATIONS ONLY

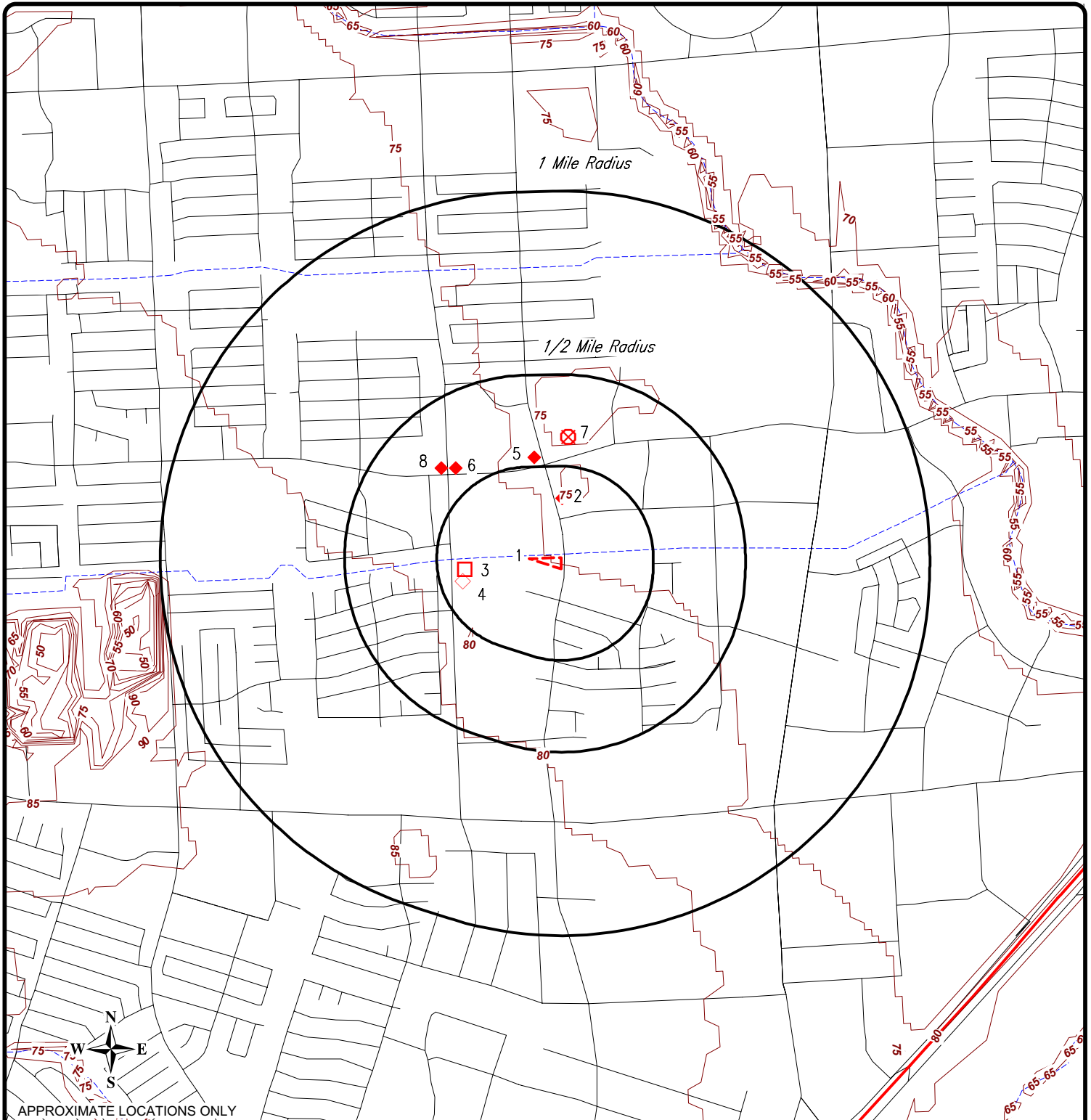
- TARGET PROPERTY BOUNDARY (TP)
- RCRAG
- VCP
- LPST
- PST
- SITE POLYGON

SITE MAP








Boone Road Water Plant
 8602 Wilcrest Drive
 Houston, TX
 Project #: 60501084



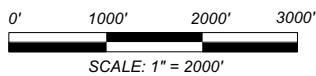
2705 Bee Caves Rd, Suite 330
 Austin, Texas 78746
 866-396-0042



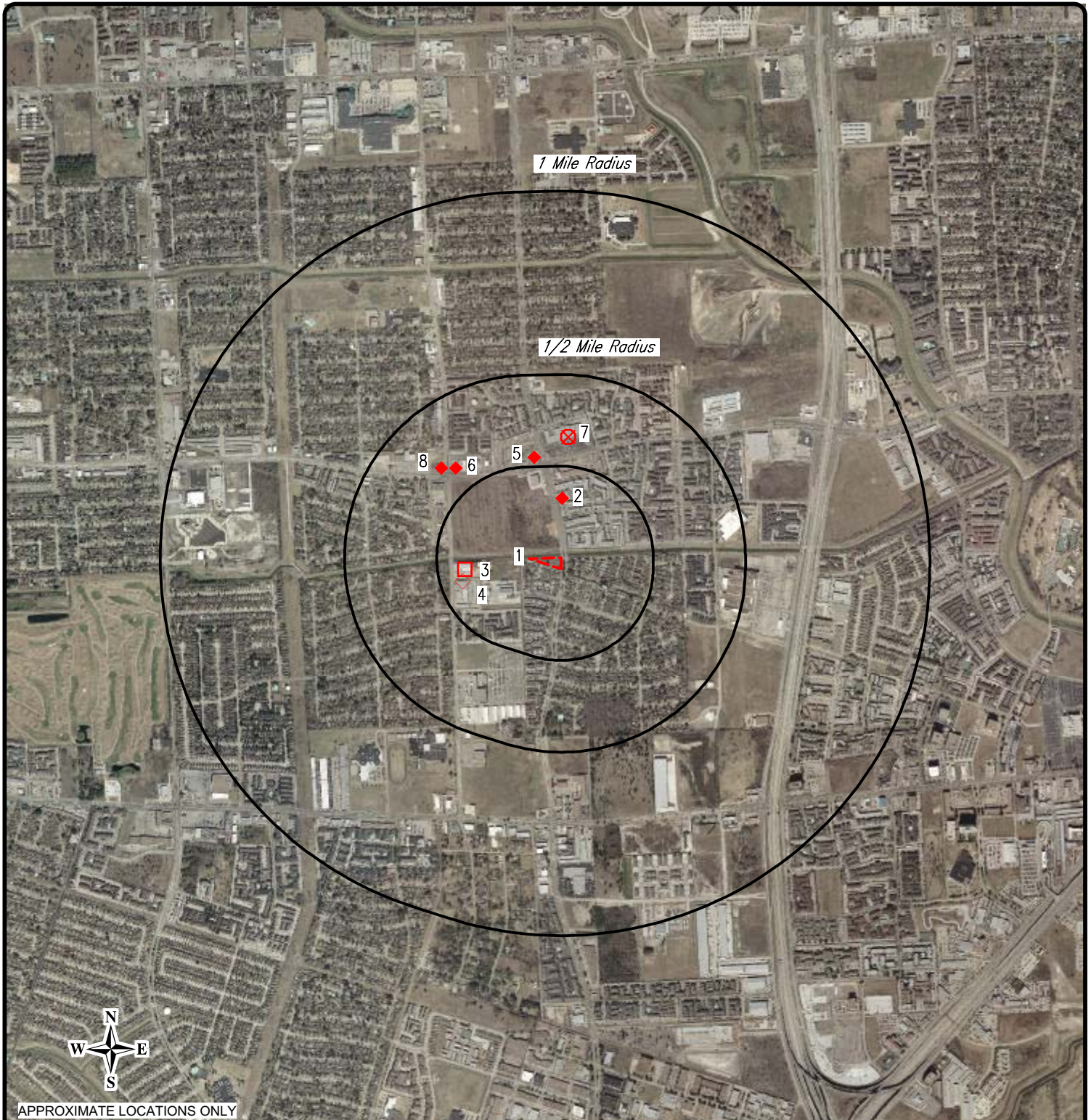
APPROXIMATE LOCATIONS ONLY

-  TARGET PROPERTY BOUNDARY (TP)
-  RCRAG
-  VCP
-  LPST
-  PST
-  SITE POLYGON
-  CONTOUR INTERVAL







SITE/CONTOUR MAP
 Alief Quadrangle
 Source: USGS Digital Elevation Model
 Boone Road Water Plant
 8602 Wilcrest Drive
 Houston, TX
 Project #: 60501084



2705 Bee Caves Rd, Suite 330
 Austin, Texas 78746
 866-396-0042




APPROXIMATE LOCATIONS ONLY

-  TARGET PROPERTY BOUNDARY (TP)
-  RCRAG
-  VCP
-  LPST
-  PST
-  SITE POLYGON

ORTHOPHOTO SITE MAP
Alief Quadrangle
Source: Kucera Intl. (01/2002)

Boone Road Water Plant
8602 Wilcrest Drive
Houston, TX
Project #: 60501084

0' 1000' 2000' 3000'

SCALE: 1" = 2000'



GeoSearch

2705 Bee Caves Rd, Suite 330
Austin, Texas 78746
866-396-0042

REPORT SUMMARY OF LOCATABLE SITES

Appearing on the Location Map, these sites are referenced by Map ID #, Database Name, Site ID#, Site Name, Address, City, Zip Code and Distance from Site (miles).

(***** denotes institutional/engineering controls exist.)

MAP ID#	DATABASE NAME	SITE ID#	DISTANCE FROM SITE	SITE NAME	ADDRESS	CITY, ZIP CODE	PAGE #
1	PST	0059124	TP	BOONE RD PLANT	8602 WILCREST	HOUSTON, 77099	4
2	LPST	091979	0.17 N	STOP N GO MARKETS 1655	8303 WILCREST DR	HOUSTON, 77072	3
2	PST	0039853	0.17 N	STOP N GO 2302	8303 WILCREST DR	HOUSTON, 77072	4
3	IHW	83319	0.18 W	GLOBAL COMPRESSION SERVICES HOUSTON	8601 BOONE RD	HOUSTON, 77099	6
3	RCRAG	TXR000001297	0.18 W	GLOBAL COMPRESSION SERVICES INC	8601 BOONE RD	HOUSTON, 77099	1
4	PST	0059152	0.20 W	SHORT TRIP FOOD MART	8703 BOONE RD	HOUSTON, 77099	5
5	LPST	110934	0.28 N	EXXON 60082	10900 BEECHNUT	HOUSTON, 77072	3
6	LPST	097800	0.32 NW	SIGMOR 918	11190 BEECHNUT	HOUSTON, 77072	3
7	VCP	1100	0.34 N	BEECHNUT CENTRE I	10828 BEECHNUT STREET	HOUSTON, 78701	2
8	LPST	093429	0.35 NW	TEXACO SERVICE STATION	11202 BEECHNUT ST	HOUSTON, 77072	3



**RESOURCE CONSERVATION AND RECOVERY ACT (RCRAInfo)
GENERATOR/HANDLER**

MAP ID# 3

Distance from Property: 0.18 mi. W

FACILITY INFORMATION

EPA ID#: **TXR000001297**

NAME: **GLOBAL COMPRESSION SERVICES INC**

ADDRESS: **8601 BOONE RD
HOUSTON, TX 77099**

ACTIVITY INFORMATION

BUSINESS TYPE: **AIR AND GAS COMPRESSOR MANUFACTURING**

GENERATOR TYPE: **NOT A GENERATOR**

TSD INDICATOR: **NOT A TSD**

TRANSPORTER INDICATOR: **NOT A TRANSPORTER**

VIOLATIONS: **NO VIOLATIONS**



VOLUNTARY CLEANUP PROGRAM (VCP)

MAP ID# 7

Distance from Property: 0.34 mi. N

SITE INFORMATION

ID#: 1100
NAME: BEECHNUT CENTRE I
ADDRESS: 10828 BEECHNUT STREET
HOUSTON TEXAS
ACRES: 7.17
FACILITY TYPE: DRY CLEANERS
APPLICATION DATE: 12/27/99
DATE OF AGREEMENT: 02/01/00
CERTIFICATE OF COMPLETION DATE: NOT REPORTED
TYPE OF CERTIFICATE ISSUED: NOT REPORTED
TYPE LEAD: OWNER
PHASE: TERMINATED
CONTAMINANT/S: PERC
MEDIA AFFECTED: SOILS
REMEDY: UNKNOWN, STILL UNDER INVESTIGATION
INSTITUTIONAL CONTROL: NOT REPORTED
TNRCC SOLID WASTE REGISTRATION #: NOT REPORTED
LPST #: NOT REPORTED
EPA CERCLIS# NOT REPORTED
EPA RCRIS #: NOT REPORTED

APPLICANT INFORMATION

ORGANIZATION: BEECHNUT CENTRE I, LP
PROPERTY MANAGER,
10245 KEMPWOOD ROAD
HOUSTON, TX 77043
PHONE: 561-624-9500
FAX: 561-624-9507

CONSULTANT/ATTORNEY INFORMATION

ORGANIZATION: HBC ENGINEERING
JOHN G. WESTERFIELD, CONSULTANT
11555 CLAY ROAD, SUITE 100
HOUSTON, TX 77043
PHONE: 713-690-8989
FAX: 713-690-8787



LEAKING PETROLEUM STORAGE TANK (LPST)

MAP ID# 2

Distance from Property: 0.17 mi. N

FACILITY INFORMATION

LPST ID#: 091979 FACILITY ID#: 0039853

REPORTED DATE: 6/30/1988

NAME: STOP N GO MARKETS 1655

ADDRESS: 8303 WILCREST DR
HOUSTON TX**PRP INFORMATION**

NAME: NATIONAL CONVENIENCE STORES

ADDRESS: PO BOX 758

HOUSTON, TX 77001-0758

CONTACT: JOHN WILLRODT

PHONE: 713/863-2318

PRIORITY CODE: (2A) GROUNDWATER OTHER THAN DRINKING WATER AQUIFER, SITE CHARACTERIZATION INCOMPLETE**STATUS CODE:** (6A) FINAL CONCURRENCE ISSUED, CASE CLOSED**MAP ID# 5**

Distance from Property: 0.28 mi. N

FACILITY INFORMATION

LPST ID#: 110934 FACILITY ID#: 0026142

REPORTED DATE: 4/19/1996

NAME: EXXON 60082

ADDRESS: 10900 BEECHNUT
HOUSTON TX**PRP INFORMATION**

NAME: EXXON COMPANY USA

ADDRESS: PO BOX 2180

HOUSTON, TX 77252-2180

CONTACT: DEBBIE HUNTER

PHONE: 713/656-2312

PRIORITY CODE: (4.2) NO GROUNDWATER IMPACT, NO APPARENT THREATS OR IMPACTS TO RECEPTORS**STATUS CODE:** (6A) FINAL CONCURRENCE ISSUED, CASE CLOSED**MAP ID# 6**

Distance from Property: 0.32 mi. NW

FACILITY INFORMATION

LPST ID#: 097800 FACILITY ID#: 0040204

REPORTED DATE: 12/21/1990

NAME: SIGMOR 918

ADDRESS: 11190 BEECHNUT
HOUSTON TX**PRP INFORMATION**

NAME: DIAMOND SHAMROCK REF & MKTG CO

ADDRESS: 4840 DACOMA ST

HOUSTON, TX 77092

CONTACT: CATHERINE E BETTS

PHONE: 713/957-1393

PRIORITY CODE: (4.1) GROUNDWATER IMPACTED, NO APPARENT THREATS OR IMPACTS TO RECEPTORS**STATUS CODE:** (6A) FINAL CONCURRENCE ISSUED, CASE CLOSED**MAP ID# 8**

Distance from Property: 0.35 mi. NW

FACILITY INFORMATION

LPST ID#: 093429 FACILITY ID#: 0023108

REPORTED DATE: 8/1/1989

NAME: TEXACO SERVICE STATION

ADDRESS: 11202 BEECHNUT ST
HOUSTON TX**PRP INFORMATION**

NAME: TEXACO REFINING & MARKETING

ADDRESS: PO BOX 1404

HOUSTON, TX 77251

CONTACT: GARY JACOBSON

PHONE: 713/752-6842

PRIORITY CODE: (4.1) GROUNDWATER IMPACTED, NO APPARENT THREATS OR IMPACTS TO RECEPTORS**STATUS CODE:** (6A) FINAL CONCURRENCE ISSUED, CASE CLOSED

PETROLEUM STORAGE TANK (PST)

MAP ID# 1

Distance from Property: 0.00 mi. X

FACILITY INFORMATION

ID#: 0059124 FACILITY TYPE: UNIDENTIFIED
NAME: BOONE RD PLANT
ADDRESS: 8602 WILCREST
HOUSTON, TX
CONTACT: PATTON MALLARD
PHONE: 713/223-1095

OWNER INFORMATION

NAME: CITY OF HOUSTON
ADDRESS: 18 FLOOR-BUILDING SERVICE DEPT PO BOX
HOUSTON, TX 77251
CONTACT: MICHAEL JOZWIAK
PHONE: 713-247-2564

TANK INFORMATION

TANKID#/TYPE 1/UST INSTALLED: NOT STATUS(DATE): REMOVED FROM GROUND (12/14/1993)
CAPACITY(gal.): 1000 CONTENTS: DIESEL
TANK MATERIAL/CONTAINMENT: FRP(FIBERGLASS-REINFORCED PLASTIC) / NOT REPORTED
PIPE MATERIAL/CONTAINMENT: NOT REPORTED / NOT REPORTED
TANK/PIPE RELEASE DETECTION: NOT REPORTED / NOT REPORTED
TANK/PIPE CORROSION PROTECTION: FRP TANK OR PIPING (NONCORRODIBLE) / NOT REPORTED
SPILL/OVERFILL PROTECTION: FACTORY/BUILT SPILL CONTAINER/BUCKET/SUMP

MAP ID# 2

Distance from Property: 0.17 mi. N

FACILITY INFORMATION

ID#: 0039853 FACILITY TYPE: RETAIL
NAME: STOP N GO 2302
ADDRESS: 8303 WILCREST DR
HOUSTON, TX
CONTACT: HANKINS
PHONE: 713/812-3041

OWNER INFORMATION

NAME: DIAMOND SHAMROCK REFINING AND
ADDRESS: PO BOX 696000
SAN ANTONIO, TX 78269
CONTACT: KENT HAMEL
PHONE: 210-345-4670

TANK INFORMATION

TANKID#/TYPE 3/UST INSTALLED: 01/01/1985 STATUS(DATE): IN USE (NOT REPORTED)
CAPACITY(gal.): 10000 CONTENTS: GASOLINE
TANK MATERIAL/CONTAINMENT: FRP(FIBERGLASS-REINFORCED PLASTIC) / SINGLE WALL
PIPE MATERIAL/CONTAINMENT: FRP(FIBERGLASS-REINFORCED PLASTIC) / SINGLE WALL
TANK/PIPE RELEASE DETECTION: SIR (STAT. INVENTORY RECONCILIATION) & INVENTORY / AUTO. LINE LEAK DETECTOR (3.0 GPH FOR PRESSURE PIPING)
TANK/PIPE CORROSION PROTECTION: FRP TANK OR PIPING (NONCORRODIBLE) / FRP TANK OR PIPING (NONCORRODIBLE)
SPILL/OVERFILL PROTECTION: AUTO. DELIVERY SHUT/OFF VALVE

TANKID#/TYPE 2/UST INSTALLED: 01/01/1985 STATUS(DATE): IN USE (NOT REPORTED)
CAPACITY(gal.): 10000 CONTENTS: GASOLINE
TANK MATERIAL/CONTAINMENT: FRP(FIBERGLASS-REINFORCED PLASTIC) / SINGLE WALL
PIPE MATERIAL/CONTAINMENT: FRP(FIBERGLASS-REINFORCED PLASTIC) / SINGLE WALL
TANK/PIPE RELEASE DETECTION: SIR (STAT. INVENTORY RECONCILIATION) & INVENTORY / AUTO. LINE LEAK DETECTOR (3.0 GPH FOR PRESSURE PIPING)
TANK/PIPE CORROSION PROTECTION: FRP TANK OR PIPING (NONCORRODIBLE) / FRP TANK OR PIPING (NONCORRODIBLE)
SPILL/OVERFILL PROTECTION: AUTO. DELIVERY SHUT/OFF VALVE

TANKID#/TYPE 1/UST INSTALLED: 01/01/1985 STATUS(DATE): IN USE (NOT REPORTED)
CAPACITY(gal.): 10000 CONTENTS: GASOLINE
TANK MATERIAL/CONTAINMENT: FRP(FIBERGLASS-REINFORCED PLASTIC) / SINGLE WALL
PIPE MATERIAL/CONTAINMENT: FRP(FIBERGLASS-REINFORCED PLASTIC) / SINGLE WALL
TANK/PIPE RELEASE DETECTION: SIR (STAT. INVENTORY RECONCILIATION) & INVENTORY / AUTO. LINE LEAK DETECTOR (3.0 GPH FOR PRESSURE PIPING)
TANK/PIPE CORROSION PROTECTION: FRP TANK OR PIPING (NONCORRODIBLE) / FRP TANK OR PIPING (NONCORRODIBLE)
SPILL/OVERFILL PROTECTION: AUTO. DELIVERY SHUT/OFF VALVE



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 1-866-396-0042 · fax: 512-472-9967

PETROLEUM STORAGE TANK (PST)

TANKID#/TYPE **4/UST** INSTALLED: **01/01/1985** STATUS(DATE): **IN USE (NOT REPORTED)**
CAPACITY(gal.): **10000** CONTENTS: **DIESEL**
TANK MATERIAL/CONTAINMENT: **FRP(FIBERGLASS-REINFORCED PLASTIC) / SINGLE WALL**
PIPE MATERIAL/CONTAINMENT: **FRP(FIBERGLASS-REINFORCED PLASTIC) / SINGLE WALL**
TANK/PIPE RELEASE DETECTION: **SIR (STAT. INVENTORY RECONCILIATION) & INVENTORY / AUTO. LINE LEAK DETECTOR (3.0 GPH FOR PRESSURE PIPING)**
TANK/PIPE CORROSION PROTECTION: **FRP TANK OR PIPING (NONCORRODIBLE) / FRP TANK OR PIPING (NONCORRODIBLE)**
SPILL/OVERFILL PROTECTION: **AUTO. DELIVERY SHUT/OFF VALVE**

MAP ID# 4

Distance from Property: 0.20 mi. W

FACILITY INFORMATION

ID#: **0059152** FACILITY TYPE: **RETAIL**
NAME: **SHORT TRIP FOOD MART**
ADDRESS: **8703 BOONE RD**
HOUSTON, TX
CONTACT: **DOSSANI**
PHONE: **713/299-7998**

OWNER INFORMATION

NAME: **SHAZADA ENTERPRISES INC**
ADDRESS: **8703 BOONE RD**
HOUSTON, TX 77099
CONTACT: **MOHMED DOSSANI**
PHONE: **281-530-3561**

TANK INFORMATION

TANKID#/TYPE **2/UST** INSTALLED: **04/01/1984** STATUS(DATE): **IN USE (NOT REPORTED)**
CAPACITY(gal.): **8000** CONTENTS: **GASOLINE**
TANK MATERIAL/CONTAINMENT: **STEEL / DOUBLE WALL**
PIPE MATERIAL/CONTAINMENT: **NOT REPORTED / DOUBLE WALL**
TANK/PIPE RELEASE DETECTION: **GROUNDWATER MONITORING / ANNUAL PIPING TIGHTNESS TEST (@ 0.1 GPH)**
TANK/PIPE CORROSION PROTECTION: **NOT REPORTED / NOT REPORTED**
SPILL/OVERFILL PROTECTION: **NOT REPORTED**

TANKID#/TYPE **1/UST** INSTALLED: **04/01/1984** STATUS(DATE): **IN USE (NOT REPORTED)**
CAPACITY(gal.): **8000** CONTENTS: **GASOLINE**
TANK MATERIAL/CONTAINMENT: **STEEL / DOUBLE WALL**
PIPE MATERIAL/CONTAINMENT: **NOT REPORTED / DOUBLE WALL**
TANK/PIPE RELEASE DETECTION: **GROUNDWATER MONITORING / ANNUAL PIPING TIGHTNESS TEST (@ 0.1 GPH)**
TANK/PIPE CORROSION PROTECTION: **NOT REPORTED / NOT REPORTED**
SPILL/OVERFILL PROTECTION: **NOT REPORTED**

TANKID#/TYPE **3/UST** INSTALLED: **04/01/1984** STATUS(DATE): **IN USE (NOT REPORTED)**
CAPACITY(gal.): **8000** CONTENTS: **DIESEL**
TANK MATERIAL/CONTAINMENT: **STEEL / DOUBLE WALL**
PIPE MATERIAL/CONTAINMENT: **NOT REPORTED / DOUBLE WALL**
TANK/PIPE RELEASE DETECTION: **GROUNDWATER MONITORING / ANNUAL PIPING TIGHTNESS TEST (@ 0.1 GPH)**
TANK/PIPE CORROSION PROTECTION: **NOT REPORTED / NOT REPORTED**
SPILL/OVERFILL PROTECTION: **NOT REPORTED**



INDUSTRIAL HAZARDOUS WASTE (IHW)

MAP ID# 3

Distance from Property: 0.18 mi. W

FACILITY INFORMATION

REGISTRATION #: **83319** EPA ID: **TXR000001297**
NAME: **GLOBAL COMPRESSION SERVICES HOUSTON**
ADDRESS: **8601 BOONE RD**
HOUSTON, TX

OWNER INFORMATION

NAME:
ADDRESS:
PHONE:

FACILITY DESCRIPTION

REGISTRATION **WASTE GENERATOR, WASTE GENERATOR**
INDUSTRIAL CLASSIFICATION: **MANUFACTURING - AIR AND GAS COMPRESSORS**
STATUS: **INACTIVE**
GENERATOR TYPE: **SMALL QUANTITY GENERATOR**



ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

AFS	Aerometric Information Retrieval System/ Airs Facility Subsystem	(2/2005)	ASTM Supplemental
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The AIRS database provides air monitoring data from the EPA's Air Quality System (AQS). The database contains measurements of air pollutant concentrations in the 50 United States, plus the District of Columbia, Puerto Rico, and the Virgin Islands. The measurements include both criteria air pollutants and hazardous air pollutants.

BRS	Biennial Reporting System	(1/2003)	ASTM Supplemental
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The United States Environmental Protection Agency (EPA), in cooperation with the States, biennially collects information regarding the generation, management, and final disposition of hazardous wastes regulated under the Resource Conservation and Recovery Act of 1976 (RCRA), as amended. The purpose of this report is to communicate the findings of EPA's Biennial Reporting System (BRS) data collection efforts to the public, government agencies, and the regulated community.

CERCLIS	Comprehensive Environmental Response, Compensation & Liability Information System	(1/2006)	ASTM
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CERCLIS is the repository for site and non-site specific Superfund information in support of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). This database contains an extract of sites that have been investigated or are in the process of being investigated for potential environmental risk.

DNPL	Delisted National Priority List	(1/2006)	ASTM
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This database includes U.S. Environmental Protection Agency (EPA) Final National Priority List sites where remedies have proven to be satisfactory or sites where the original analyses were inaccurate, and the site is no longer appropriate for inclusion on the NPL, and final publication in the Federal Register has occurred.

DOCKETS	Epa Docket Data		ASTM Supplemental
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EPA Docket data lists Civil Case Defendants, filing dates as far back as 1971, laws broken including section, violations that occurred, pollutants involved, penalties assessed and superfund awards all by facility and geographically.

DOD	Department Of Defense Sites	(1/2005)	ASTM Supplemental
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This information originates from the National Atlas of the United States, publication date October 2005. Army DOD, Army Corps of Engineers DOD, Air Force DOD, Navy DOD and Marine DOD areas of 640 acres or more are included.

ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

ERNS	Emergency Response Notification System	(1/2004)	ASTM
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This database contains data on reported releases of oil and hazardous substances. The data comes from spill reports made to the EPA, U.S. Coast Guard, the National Response Center and/or the Department of Transportation.

FINDS	Facility Index System	(4/2005)	ASTM Supplemental
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FINDS data is a comprehensive listing of facilities regulated under a variety of EPA programs. The FINDS database provides some basic information about each facility and a listing of ID numbers in other EPA databases.

FUDS	Formerly Used Defense Sites	(12/2005)	ASTM Supplemental
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Formerly Used Defense Sites

HMIRS	Hazardous Materials Incident Reporting System	(2/2004)	ASTM Supplemental
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The HMIRS database contains unintentional hazardous materials release information reported to the US Department of Transportation.

MLTS	Material Licensing Tracking System	(11/2005)	ASTM Supplemental
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MLTS is a list of approximately 8,100 sites which have or use radioactive materials subject to Nuclear Regulatory Commission (NRC) licensing requirements.

NCDB	National Compliance Database System	(2/2005)	ASTM Supplemental
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NCDB is the national repository of data from the EPA's (ten) regional and Headquarters FIFRA/TSCA Tracking System (FTTS). Data collected in the regional FTTS is transferred to NCDB to support the need for monitoring national performance of the following programs: Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) ,Toxic Substance Control Act (TSCA) , Emergency Planning and Right-to-Know Act, Section 313 (EPCRA) , Asbestos Hazard Emergency Response (AHERA) . NCDBC contain administrative case listings and NCDBI contain facility inspection information.

NFRAP	No Further Remedial Action Planned	(1/2006)	ASTM
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This database includes sites, which have been determined by the EPA, following preliminary assessment, to no longer pose a significant risk or require further activity under CERCLA. After initial investigation, no contamination was found, contamination was quickly removed or contamination was not serious enough to require Federal Superfund action or NPL consideration.

NPDES	National Pollutant Discharge Elimination System	(2/2005)	ASTM Supplemental
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Information in this database is extracted from the (PCS) Water Permit Compliance System database which is used by EPA to track surface water permits issued under the Clean Water Act.



ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

NPL	National Priority List	(1/2006)	ASTM
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This database includes U.S. Environmental Protection Agency (EPA) National Priority List sites that fall under the EPA's Superfund program, established to fund the cleanup of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action.

ODI	Open Dump Inventory	(6/1985)	ASTM Supplemental
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Information on facilities or sites where solid waste is disposed of which is not a sanitary landfill which meets the criteria promulgated under section 6944 of the Solid Waste Disposal Act (42 U.S.C. 6941 et seq.) and which is not a facility for disposal of hazardous waste.

PADS	Pcb Activity Database	(3/2005)	ASTM Supplemental
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The PCB Activity Database System (PADS) is used by the EPA to monitor the activities of polychlorinated biphenyls (PCB) handlers.

RCRA	Resource Conservation & Recovery Act	(10/2005)	ASTM
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This databases include Handlers, Generators (Large, Small, and Exempt), Transporters, Violations, Corrective Actions, and Treatment, Storage & Disposal Facilities (TSD) (this database includes selective information on sites which handle, generate, transport, store, treat, or dispose of hazardous wastes). See RCRA Description page for more information.

RODS	Record Of Decision System	(4/2004)	ASTM Supplemental
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These decision documents maintained by the U.S. EPA describe the chosen remedy for NPL (Superfund) site remediation. They also include site history, site description, site characteristics, community participation, enforcement activities, past and present activities, contaminated media, the contaminants present, and scope and role of response action.

SSTS	Section Seven Tracking System	(12/2001)	ASTM Supplemental
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SSTS is the system that EPA uses to track pesticide producing establishments and the amount of pesticides they produce. SSTS records the registration of new establishments and records pesticide production at each establishment. It is a repository for information on the establishments that produce pesticides.

TRI	Toxics Release Inventory	(12/2002)	ASTM Supplemental
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This EPA database includes information about releases and transfers of toxic chemicals from manufacturing facilities.

ENVIRONMENTAL RECORDS DEFINITIONS - STATE

BSA	Brownfields Site Assessments	(7/2005)	ASTM Supplemental
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The BSA database includes relevant information on contaminated Brownfields properties that are being cleaned.

CALF	Closed & Abandoned Landfill Inventory	(11/2005)	ASTM
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TCEQ, under a contract with Texas State University, and in cooperation with the 24 regional Council of Governments in the State, has located over 4,000 closed and abandoned municipal solid waste landfills throughout Texas. This listing contains "unauthorized sites". Unauthorized sites have no permit and are considered abandoned. The information available for each site varies in detail.

DCR	Dry Cleaner Registration	(6/2005)	ASTM Supplemental
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The DCR listing includes dry cleaning drop stations and facilities registered with the Texas Commission on Environmental Quality.

IHW	Industrial And Hazardous Waste	(12/2005)	ASTM Supplemental
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Owner and facility information is included in this database of industrial and hazardous waste sites. Industrial waste is waste that results from or is incidental to operations of industry, manufacturing, mining, or agriculture. Hazardous waste is defined as any solid waste listed as hazardous or possesses one or more hazardous characteristics as defined in federal waste regulations.

IOP	Innocent Owner / Operator	(7/2005)	ASTM Supplemental
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Texas Innocent Owner / Operator (IOP) provides a certificate to an innocent owner or operator if their property is contaminated as a result of a release or migration of contaminants from a source or sources not located on the property, and they did not cause or contribute to the source or sources of contamination.

LPST	Leaking Petroleum Storage Tank	(1/2006)	ASTM
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The Leaking Underground Storage Tank listing is derived from the Petroleum Storage Tank (PST) database and is maintained by the Texas Commission on Environmental Quality (TCEQ). This database includes facilities with reported leaking petroleum storage tanks.

MSWLF	Municipal Solid Waste Landfill Sites	(12/2005)	ASTM
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Sites listed within a solid waste landfill database may include active landfills and inactive landfills, where solid waste is treated or stored.

PST	Petroleum Storage Tank	(1/2006)	ASTM
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The Underground Storage Tank listing is derived from the Petroleum Storage Tank database which is administered by the TCEQ (Texas Commission on Environmental Quality). Both Underground storage tanks (USTs) and Aboveground storage tanks (ASTs) are included in this report.



ENVIRONMENTAL RECORDS DEFINITIONS - STATE

SC	Sites With Controls	ASTM Supplemental
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Institutional Controls, such as deed notices or restrictive covenants, that are in place to reduce or eliminate human exposure to contaminated sites. VCP database query

SPILLS	Spills Listing	(9/2004)	ASTM
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The Texas Commission on Environmental Quality provides this database. Information includes releases of hazardous or potential hazardous chemical/materials into the environment.

TXSF	State Superfund	(1/2006)	ASTM
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The state Superfund program mission is to remediate abandoned or inactive sites within the state that pose an unacceptable risk to public health and safety or the environment, but which do not qualify for action under the federal Superfund program (NPL - National Priority Listing). Information in this database includes any recent developments and the anticipated action for these sites.

VCP	Voluntary Cleanup Program	(7/2005)	ASTM Supplemental
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The Texas Voluntary Cleanup Program (VCP) provides administrative, technical, and legal incentives to encourage the cleanup of contaminated sites in Texas. Since all non-responsible parties, including future lenders and landowners, receive protection from liability to the state of Texas for cleanup of sites under the VCP, most of the constraints for completing real estate transactions at those sites are eliminated. As a result, many unused or underused properties may be restored to economically productive or community beneficial uses.

RCRA – Descriptions

Acronyms

RCRAG – RCRA GENERATOR/HANDLER

RCRAT – RCRA TSD

RCRA – RCRA CORRECTIVE ACTION

Generator Types

Large Quantity Generators:

- Generate 1,000 kg or more of hazardous waste during any calendar month; or
- Generate more than 1 kg of acutely hazardous waste during any calendar month; or
- Generate more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month; or
- Generate 1 kg or less of acutely hazardous waste during any calendar month, and accumulate more than 1kg of acutely hazardous waste at any time; or
- Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulated more than 100 kg or that material at any time.

Small Quantity Generators:

- Generate more than 100 and less than 1000 kilograms of hazardous waste during any calendar month and accumulate less than 6000 kg of hazardous waste at any time; or
- Generate 100 kg or less of hazardous waste during any calendar month, and accumulate more than 1000 kg of hazardous waste at any time.

Conditionally Exempt Small Quantity Generators:

- Generate 100 kilograms or less of hazardous waste per calendar month, and accumulate 1000 kg or less of hazardous waste at any time; or
- Generate one kilogram or less of acutely hazardous waste per calendar month, and accumulate at any time:
 - 1 kg or less of acutely hazardous waste; or
 - 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste; or
- Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month, and accumulate at any time:
 - 1 kg or less of acutely hazardous waste; or
 - 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste.

TSD Indicator: Indicates that the handler is engaged in the treatment, storage or disposal of hazardous waste.

Allowed Values: TSD

Not a TSD, Verified

Not a TSD, Unverified

Transporter Indicator: Indicates that the handler is engaged in the transportation of hazardous waste.

Allowed Values: Handler transports wastes for hire (i.e., commercial transport)

Handler transports wastes for self

Handler transports wastes, but commercial status is unknown

Not a transporter, verified

Unverified



GeoSearch

Environmental Data Services

SUMMARY OF LOCATED WATER WELLS

The list below identifies the sites that were found in the search area. This list is referenced by Map ID, ID Number, State ID, Owners Name, Date Drilled, Depth Drilled, Static Level, and Water Usage.

MAP ID#	ID NUMBER	STATE ID#	OWNERS NAME	DATE DRILLED	DEPTH DRILLED	STATIC LEVEL	WATER USAGE
1	1613	N/A	HOUSTON, CITY OF	1970	900	NOT REPORTED	PUBLIC SUPPLY
2	N/A	65-20-517	CITY OF HOUSTON BOONE ROAD	1971	900	321	PUBLIC SUPPLY
3	N/A	65-20-514	OIL & GAS SUPPLY CO.	1970	339	130	INDUSTRIAL
4	N/A	65-20-518	CITY OF HOUSTON CONCOURSE DIST 184	02/17/1982	1475	NOT REPORTED	PUBLIC SUPPLY
5	1765	N/A	HOUSTON, CITY OF	1973	950	NOT REPORTED	PUBLIC SUPPLY
5	3173	N/A	HOUSTON, CITY OF	1979	1505	NOT REPORTED	PUBLIC SUPPLY
5	G1010013DS	65-20-5	HOUSTON CITY OF PUBLIC WORKS DE	00/00/1982	950	NOT REPORTED	PLUGGED
5	N/A	65-20-519	CITY OF HOUSTON MANNING #2	1979	1450	338	PUBLIC SUPPLY



COMBINED WATER WELL DATABASE (WATERWELL) - LOCATABLE

MAPID# 1

ID Number:	1613
State Id:	N/A
Owners Name:	HOUSTON, CITY OF
Date Drilled:	1970
Depth Drilled:	900
Static Level:	NOT REPORTED
Water Usage:	PUBLIC SUPPLY
Longitude:	-95.57000000
Latitude:	29.684400000
Source:	HGWW

MAPID# 2

ID Number:	N/A
State Id:	65-20-517
Owners Name:	CITY OF HOUSTON BOONE ROAD
Date Drilled:	1971
Depth Drilled:	900
Static Level:	321
Water Usage:	PUBLIC SUPPLY
Longitude:	-95.57083100
Latitude:	29.684166000
Source:	TWDB

MAPID# 3

ID Number:	N/A
State Id:	65-20-514
Owners Name:	OIL & GAS SUPPLY CO.
Date Drilled:	1970
Depth Drilled:	339
Static Level:	130
Water Usage:	INDUSTRIAL
Longitude:	-95.57389100
Latitude:	29.682501000
Source:	TWDB

COMBINED WATER WELL DATABASE (WATERWELL) - LOCATABLE

MAPID# 4

ID Number:	N/A
State Id:	65-20-518
Owners Name:	CITY OF HOUSTON CONCOURSE DIST 184
Date Drilled:	02/17/1982
Depth Drilled:	1475
Static Level:	NOT REPORTED
Water Usage:	PUBLIC SUPPLY
Longitude:	-95.56583400
Latitude:	29.688889000
Source:	TWDB

MAPID# 5

ID Number:	1765
State Id:	N/A
Owners Name:	HOUSTON, CITY OF
Date Drilled:	1973
Depth Drilled:	950
Static Level:	NOT REPORTED
Water Usage:	PUBLIC SUPPLY
Longitude:	-95.57390000
Latitude:	29.690800000
Source:	HGWW

MAPID# 5

ID Number:	3173
State Id:	N/A
Owners Name:	HOUSTON, CITY OF
Date Drilled:	1979
Depth Drilled:	1505
Static Level:	NOT REPORTED
Water Usage:	PUBLIC SUPPLY
Longitude:	-95.57390000
Latitude:	29.690800000
Source:	HGWW



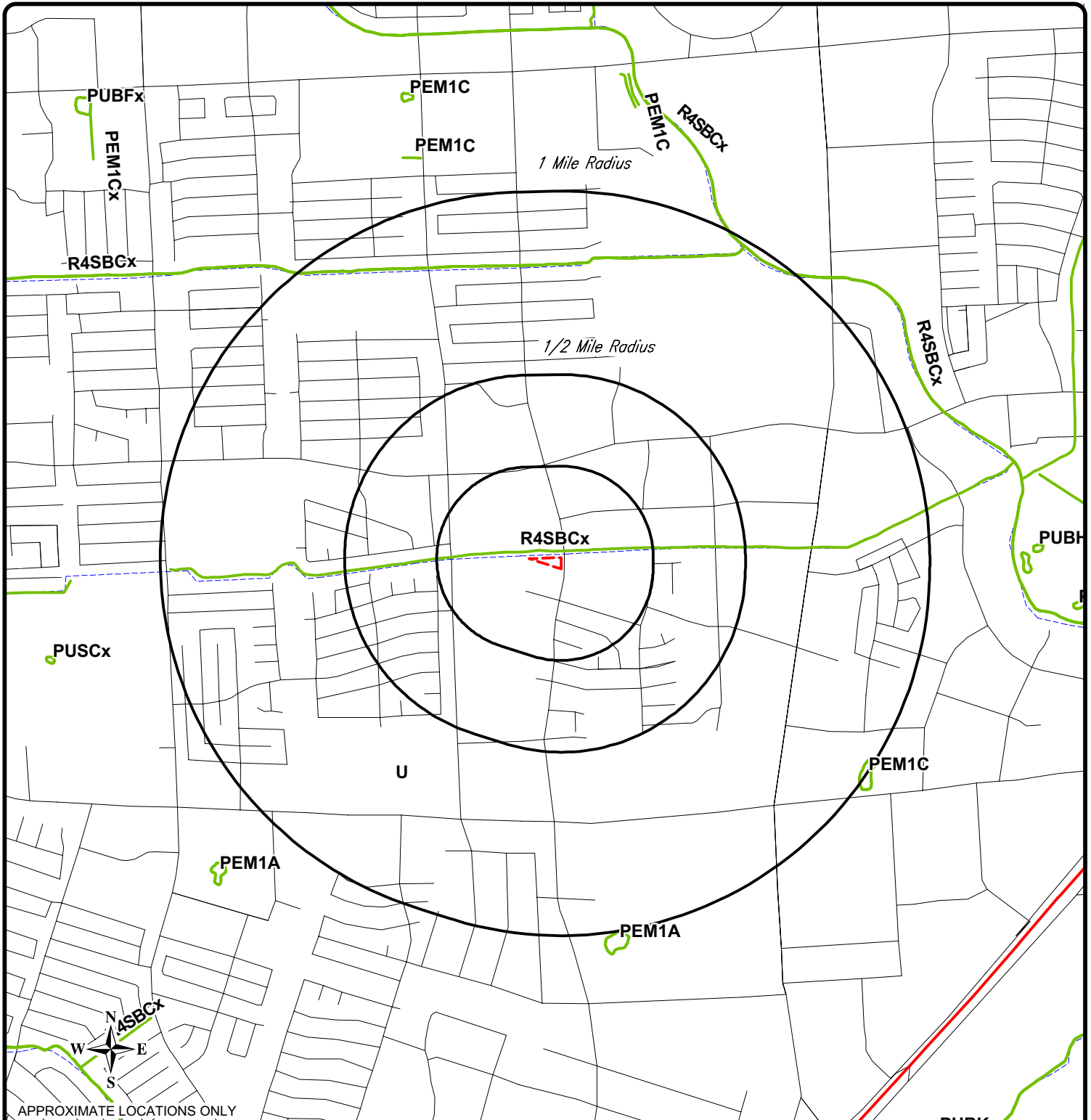
COMBINED WATER WELL DATABASE (WATERWELL) - LOCATABLE


MAPID# 5


ID Number:	G1010013DS
State Id:	65-20-5
Owners Name:	HOUSTON CITY OF PUBLIC WORKS DE
Date Drilled:	00/00/1982
Depth Drilled:	950
Static Level:	NOT REPORTED
Water Usage:	PLUGGED
Longitude:	-95.57390000
Latitude:	29.690830000
Source:	PWS

MAPID# 5

ID Number:	N/A
State Id:	65-20-519
Owners Name:	CITY OF HOUSTON MANNING #2
Date Drilled:	1979
Depth Drilled:	1450
Static Level:	338
Water Usage:	PUBLIC SUPPLY
Longitude:	-95.57389100
Latitude:	29.691111000
Source:	TWDB



 TARGET PROPERTY BOUNDARY (TP)

 NWI

NWI MAP
Alief NWI

Boone Road Water Plant
8602 Wilcrest Drive
Houston, TX
Project #: 60501084

0' 1000' 2000' 3000'

SCALE: 1" = 2000'


GeoSearch

2705 Bee Caves Rd, Suite 330
Austin, Texas 78746
866-396-0042

NATIONAL WETLANDS INVENTORY

PEM1A SYSTEM: **PALUSTRINE**
CLASS: **EMERGENT**
SUBCLASS: **PERSISTENT**
WATER REGIME: **TEMPORARILY FLOODED**

PEM1C SYSTEM: **PALUSTRINE**
CLASS: **EMERGENT**
SUBCLASS: **PERSISTENT**
WATER REGIME: **SEASONALLY FLOODED**

R4SBCx SYSTEM: **RIVERINE**
SUBSYSTEM: **INTERMITTENT**
CLASS: **STREAMBED**
WATER REGIME: **SEASONALLY FLOODED**
SPECIAL MODIFIER: **EXCAVATED**

U SYSTEM: **UNKNOWN**

SOIL SURVEY DESCRIPTION

7367 ARIS FINE SANDY LOAM

THE ARIS SERIES CONSISTS OF SOMEWHAT POORLY DRAINED, VERY SLOWLY PERMEABLE SOILS. THEY HAVE A DARK GRAYISH BROWN FINE SANDY FINE SANDY LOAM SURFACE AND A GRAY AND DARK GRAY CLAYEY SUBSOIL WITH PROMINENT RED MOTTLES.

7369 ARIS-URBAN LAND COMPLEX

THE ARIS SERIES CONSISTS OF SOMEWHAT POORLY DRAINED, VERY SLOWLY PERMEABLE SOILS. THEY HAVE A DARK GRAYISH BROWN FINE SANDY FINE SANDY LOAM SURFACE AND A GRAY AND DARK GRAY CLAYEY SUBSOIL WITH PROMINENT RED MOTTLES.

7373 BERNARD CLAY LOAM

THE BERNARD SERIES IS A VERY DEEP SOMEWHAT POORLY DRAINED, VERY SLOWLY PERMEABLE SOIL ON UPLANDS. IT HAS A SLIGHTLY ACID, VERY DARK GRAY CLAY LOAM SURFACE AND A VERY DARK GRAY CLAY SUBSOIL THAT IS SLIGHTLY ACID IN THE UPPER PART AND NEUTRAL TO MODERATELY ALKALINE IN THE LOWER PART.

7374 BERNARD-EDNA COMPLEX

THE EDNA SERIES CONSISTS OF VERY DEEP, SOMEWHAT POORLY DRAINED, VERY SLOWLY PERMEABLE SOILS ON UPLANDS. THE SOIL FORMED IN CLAYEY SEDIMENTS. IN A REPRESENTATIVE PROFILE THE SURFACE LAYER IS A DARK GRAY LOAM ABOUT 9 INCHES THICK. THE SUBSOIL FROM 9 TO 38 INCHES IS A GRAY AND LIGHT GRAY CLAY, FROM 38 TO 50 IS MOTTLED GRAYISH AND BROWNISH CLAY LOAM. BETWEEN 50 AND 65 INCHES IS LIGHT OLIVE GRAY SANDY CLAY LOAM.

7380 EDNA FINE SANDY LOAM

THE EDNA SERIES CONSISTS OF VERY DEEP, SOMEWHAT POORLY DRAINED, VERY SLOWLY PERMEABLE SOILS ON UPLANDS. THE SOIL FORMED IN CLAYEY SEDIMENTS. IN A REPRESENTATIVE PROFILE THE SURFACE LAYER IS A DARK GRAY LOAM ABOUT 9 INCHES THICK. THE SUBSOIL FROM 9 TO 38 INCHES IS A GRAY AND LIGHT GRAY CLAY, FROM 38 TO 50 IS MOTTLED GRAYISH AND BROWNISH CLAY LOAM. BETWEEN 50 AND 65 INCHES IS LIGHT OLIVE GRAY SANDY CLAY LOAM.

7388 IJAM SOILS

IJAM SOILS ARE VERY DEEP, POORLY DRAINED, VERY SLOWLY PERMEABLE SOILS THAT FORMED IN MATERIALS DREDGED FROM RIVERS, BAYS OR CANALS. THEY HAVE A THIN DARK GRAY CLAYEY SURFACE ABOUT 8 INCHES THICK AND A MOTTLED, GRAYISH CLAYEY LOWER LAYER.

7393 LAKE CHARLES CLAY, 0 TO 1 PERCENT SLOPES

THE LAKE CHARLES SERIES CONSISTS OF VERY DEEP, MODERATELY WELL DRAINED, VERY SLOWLY PERMEABLE SOILS ON UPLANDS. THESE SOILS FORMED IN THICK CLAYEY SEDIMENTS. IT HAS A VERY DARK GRAY CLAY SURFACE LAYER 20 INCHES THICK. FROM 20 TO 70 INCHES IS VERY DARK GRAY TO GRAY CLAY. FROM 70 TO 80 INCHES IS YELLOWISH RED CLAY.

7415 PITS, SAND



GeoPLUS RECORD DEFINITIONS

WATER WELLS

The water well report consists of information collected from the Texas Water Development Board (TWDB), Select wells from Texas Commission on Environmental Quality (TCEQ), TCEQ Public Water Supply System (PWS), United States Geological Society (USGS), and the Harris Galveston Subsidence District (HGWW).

FEMA – Federal Emergency Management Agency

The information used in this report is derived from Q3 data from the Federal Emergency Management Agency (FEMA). This data is available in select counties throughout the United States.

NWI – National Wetlands Inventory

This data is obtained from the United States Fish and Wildlife Service. This data is available in select counties throughout the United States.

SOIL SURVEYS

The soil survey data is obtained from the Natural Resources Conservation Service of the United States Department of Agriculture. This data is available in select counties throughout the United States.



APPENDIX D

RECORDS OF COMMUNICATION



5718 Westheimer, Suite 1575
Houston, Texas 77057
Tel: (713) 622-4800
Fax: (713) 622-4828
E-mail: info@ecsus.com

ENVIRONMENTAL CONSULTING SERVICES, INC.

May 3, 2006

Project No. 60501084
Via Fax: (713) 640-4388

Ms. Evelyn Phillips
City of Houston
Office of Environmental Health
7411 Park Place, Suite 109
Houston, Texas 77087

Re: ***Boone Road Water Plant***
8602 Wilcrest Drive, Houston, Harris County, Texas

Dear Ms. Phillips:

Environmental Consulting Services, Inc. (ECS) is conducting a Phase I Environmental Site Assessment (ESA) for the above-listed property located south of Beechnut and north of Bissonnet, in Houston, Harris County, Texas. The approximate location of the subject property is noted on the attached City of Houston Key Map (**Page 529, Section Q**).

We are requesting any information available under the Freedom of Information Act that may help to determine if the present or past usage of the property has resulted in violations of any environmental regulations concerning your agency.

Please reference Project Number: 60501084 in your reply. ECS appreciates your assistance in this matter. If you have any questions, please do not hesitate to call me at (713) 622-4800. Our fax number is (713) 622-4828.

Sincerely,
Environmental Consulting Services, Inc.

A handwritten signature in blue ink, appearing to read 'Lina A. Jazi', is written over the typed name.

Lina A. Jazi
President



CITY OF HOUSTON
P.H.E. SOUTH
RECEIVED

2006 MAY -4 AM 8:39

5718 Westheimer, Suite 1575
Houston, Texas 77057
Tel: (713) 622-4800
Fax: (713) 622-4828
E-mail: info@ecsus.com

ENVIRONMENTAL CONSULTING SERVICES, INC.

May 3, 2006

Project No. 60501084
Via Fax: (713) 640-4388

Ms. Evelyn Phillips
City of Houston
Office of Environmental Health
7411 Park Place, Suite 109
Houston, Texas 77087

Re: *Boone Road Water Plant*
8602 Wilcrest Drive, Houston, Harris County, Texas

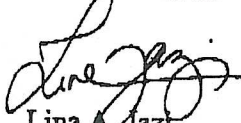
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Sincerely,
Environmental Consulting Services, Inc.


Lina A. Jazi
President

FILES	NO
H. WASTE	NO
S. WASTE	
COMM. POOLS	
BAQC	NO
BOHRC	NO

31



CITY OF HOUSTON
Department of Health and Human Services

Bill White

Mayor

Stephen L. Williams, M.Ed., M.P.A.
Director
Health and Human Services
Department

Dr. Pamela Berger
Bureau Chief, Public Health
Engineering
7411 Park Place Blvd., #109
Houston, Texas 77087

T.713.640.4399
F.713.640-4388
www.houstonhealth.org

May 10, 2006

Lina A. Jazi
Environmental Consulting Services, Inc.
5718 Westheimer, Suite 1575
Houston, Texas 77057

Dear Ms. Jazi:

Information requested regarding property located at: **8602 Wilcrest Dr.** was not found in our files. A copy of your request is attached.

If you are in need of further assistance, please call me at 713-640-4399.

Sincerely,

A handwritten signature in cursive script that reads "E. Phillips".

E. Phillips
Environmental Health Division
Department of Health and Human Services

EP:pr

Enclosure



5718 Westheimer, Suite 1575
Houston, Texas 77057
Tel: (713) 622-4800
Fax: (713) 622-4828
E-mail: info@ecsus.com

ENVIRONMENTAL CONSULTING SERVICES, INC.

May 3, 2006

Project No. 60501084
Via Fax: (713) 928-6160

Senior Captain Troy Lilley
HAZMAT Response Team
Houston Fire Department
7411 Park Place, Suite 109
Houston, Texas 77087

Re: ***Boone Road Water Plant***
8602 Wilcrest Drive, Houston, Harris County, Texas

Dear Captain Lilley:

Environmental Consulting Services, Inc. (ECS) is conducting a Phase I Environmental Site Assessment (ESA) for the above-listed property located south of Beechnut and north of Bissonnet, in Houston, Harris County, Texas. The approximate location of the subject property is noted on the attached City of Houston Key Map (**Page 529, Section Q**).

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Sincerely,
Environmental Consulting Services, Inc.

Lina A. Jazi
President

5/4/2006 - 12:47:43

Search ID #004434: Key Map coordinate 529Q

No incidents in Key Map coordinate 529Q during 1997.

980820155 - 08/20/98 - 8803 Maplecrest - (Turn around) -

981014324 - 10/14/98 - 10826 Riderwood - (Turn around) -

No incidents in Key Map coordinate 529Q during 1999.

000726302 - 07/26/00 - 10560 Evesborough & S. Course - Natural Gas - Undetrmd Amt

010726591 - 07/26/01 - 8500 South Course - Propane - 20 gal

020122264 - 01/22/02 - 8666 Maplecrest - Suspicious Substance - Undetrmd Amt

0309250587 - 09/25/03 - 8521 Wilcrest Drive - Suspicious Substance - Undetrmd Amt

Houston Fire Department HazMat

☎ 713-928-6160

📅 5/4/2006

🕒 12:49

📄 1/3

0401190018 - 01/19/04 - 8303 Wilcrest - (Turn around) -

0402270502 - 02/27/04 - 10555 Spice Lane - (Turn around) -

0412160124 - 12/16/04 - 10555 SPICE LN. - (Turn around) -

0511040441 - 11/04/05 - 1051 Newborough Dr. - Natural Gas - Undetrmd Amt

No incidents in Key Map coordinate 529Q during 2006.

End search: 12:48:27 (0 mins., 44 secs.)

970513155 - 05/13/97 - 8200 Parkhurst - Unknown - Undetrmd Amt
971021161 - 10/21/97 - 7802 Crestview - Hazardous Waste, liquid, n.o.s.; Hazardous Waste, solid, n.o.s. - No Release ; No Release

No incidents in Key Map coordinate 455E during 1998.

No incidents in Key Map coordinate 455E during 1999.

No incidents in Key Map coordinate 455E during 2000.

No incidents in Key Map coordinate 455E during 2001.

No incidents in Key Map coordinate 455E during 2002.

0310150584 - 10/15/03 - 7629 Glen Manor - (Turn around) -
0312120051 - 12/12/03 - 7609 Teesdale - (Turn around) -

0405250605 - 05/25/04 - 7300 Bywood - (Turn around) -

0508280716 - 08/28/05 - 7518 Bywood - (Turn around) -

No incidents in Key Map coordinate 455E during 2006.

End search: 12:47:27 (0 mins., 39 secs.)

5/4/2006 - 12:47:43

Search ID #004434: Key Map coordinate 529Q

No incidents in Key Map coordinate 529Q during 1997.

980820155 - 08/20/98 - 8803 Maplecrest - (Turn around) -
981014324 - 10/14/98 - 10826 Riderwood - (Turn around) -

No incidents in Key Map coordinate 529Q during 1999.

000726302 - 07/26/00 - 10560 Evesborough & S. Course - Natural Gas - Undetrmd Amt

010726591 - 07/26/01 - 8500 South Course - Propane - 20 gal

020122264 - 01/22/02 - 8666 Maplecrest - Suspicious Substance - Undetrmd Amt

0309250587 - 09/25/03 - 8521 Wilcrest Drive - Suspicious Substance - Undetrmd Amt

0401190018 - 01/19/04 - 8303 Wilcrest - (Turn around) -
0402270502 - 02/27/04 - 10555 Spice Lane - (Turn around) -
0412160124 - 12/16/04 - 10555 SPICE LN. - (Turn around) -

0511040441 - 11/04/05 - 1051 Newborough Dr. - Natural Gas - Undetrmd Amt

No incidents in Key Map coordinate 529Q during 2006.

End search: 12:48:27 (0 mins., 44 secs.)



5718 Westheimer, Suite 1575
Houston, Texas 77057
Tel: (713) 622-4800
Fax: (713) 622-4828
E-mail: info@ecsus.com

ENVIRONMENTAL CONSULTING SERVICES, INC.

May 3, 2006

Project No. 60501084
Via Fax: (713) 477-8963

Ms. Sandee L. Wilson
Harris County Environmental Public Health
P.O. Box 6031
Houston, Texas 77506

Re: ***Boone Road Water Plant***
8602 Wilcrest Drive, Houston, Harris County, Texas

Dear Ms. Wilson:

Environmental Consulting Services, Inc. (ECS) is conducting a Phase I Environmental Site Assessment (ESA) for the above-listed property located south of Beechnut and north of Bissonnet, in Houston, Harris County, Texas. The approximate location of the subject property is noted on the attached City of Houston Key Map (**Page 529, Section Q**).

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Please reference Project Number: 60501084 in your reply. ECS appreciates your assistance in this matter. If you have any questions, please do not hesitate to call me at (713) 622-4800. Our fax number is (713) 622-4828.

Sincerely,
Environmental Consulting Services, Inc.

Lina A. Jazi
President

Harris County
HCPHES

Public Health & Environmental Services

Herminia Palacio, MD, MPH
Executive Director
2223 West Loop South
Houston, Texas 77027
Tele: (713) 439-6000
Fax: (713) 439-6080

Environmental Public Health Division

B. Z. (Bud) Karachiwala, M.S., M.B.A.
Division Director
Environmental Public Health
107 N. Munger
Pasadena, Texas 77506
Tele: (713) 920-2831
Fax: (713) 477-8963

Fax

Date:	May 12, 2006	Pages:	1 (including cover page)
To:	Lina A Jazi	From:	Sandee L. Wilson
Co.:	ECS Environmental	Title:	Public Records & SEP Assistant.
Fax:	713.622.4828	Fax:	713-477-8963
Phone:	713.622.4800	Phone:	713-740-8708
e-mail:	Not provided	e-mail:	sandee_wilson@hctx.net

Re:	<u>Boone Road Water Plant</u>	Key Map:	<u>529 Q</u>
	<u>8602 Wilcrest Drive, Houston</u>		

Ms. Jazi:

I have researched the Harris County Pollution Control Division files, which go back to the late 1970's.

I **did not** locate any investigation reports, letters of correspondence, or any other sort of documents pertaining to the above referenced site location.

If I can be of further assistance to you please let me know.

Sandee L. Wilson

APPENDIX E
DEFINITIONS & REFERENCES

DEFINITIONS

For purposes of conducting a Phase I Environmental Site Assessment Report, the following definitions relate to *hazardous substance*, *hazardous waste*, and *petroleum products* in this report:

Hazardous Substance--A substance defined as a hazardous substance pursuant to CERCLA 42 USC 9601(14), as interpreted by EPA regulations and the courts: “(A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title, (C) any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (42 USC 6921) (but not including any waste the regulation of which under the Solid Waste Disposal Act (42 USC 6901 *et seq.*) has been suspended by Act of Congress, (D) any toxic pollutant listed under section 1317(a) of Title 33, (E) any hazardous air pollutant listed under section 112 of the Clean Air Act (42 USC 7412), and (F) an imminently hazardous chemical substance or mixture with respect to which the Administrator (of EPA) has taken action pursuant to section 2606 of Title 15. The term does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).”

Hazardous Waste--any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (42 USC 6921) (but not including any waste the regulation of which under the Solid Waste Disposal Act (42 USC 6901 *et seq.*) has been suspended by Act of Congress). The Solid Waste Disposal Act of 1980 amended RCRA. RCRA defines hazardous waste, in 42 USC 6903, as: “a solid waste, or combination of solid wastes, which because of its quantity, concentration or physical, chemical, or infectious characteristics may--(A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible, illness; (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed.

Petroleum Products--those substances included within the meaning of the *petroleum exclusion* to CERCLA, 42 USC 9601(14), as interpreted by the courts and EPA, that is: petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under Subparagraphs (A) through (F) of 42 USC 9601(14), natural gas, natural gas liquids, liquefied natural gas, and synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas). The word fraction refers to certain distillates of crude oil, including gasoline, kerosene, diesel oil, jet fuels, and fuel oil, pursuant to *Standard Definitions of Petroleum Statistics, American Petroleum Institute*.

REFERENCES

ECS does not warrant the data of regulatory agencies or other third parties supplying information used in the preparation of this report. Documents and commercial information services used in the preparation of this report, as listed below, are all current as most recently published.

DOCUMENTS

American Society for Testing and Materials (ASTM) Designation: E 1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

Texas Department of Water Resources, Report 236, Stratigraphic and Hydrogeologic Framework of Parts of the Coastal Plain of Texas, 1979.

U.S. Department of Agriculture, Soil Survey of Harris County, Texas, Soil Conservation Service, 1982.

FEMA Flood Insurance Rate Map No. 48201C0840K, date April 20, 2000.

Harris County Appraisal District, www.hcad.org.

GeoSearch: Aerial Photographs dated 1944, 1969, 1978, 1986, 1996, and 2004.

COMMERCIAL SERVICES

GeoSearch, Austin, Texas: Regulatory Review, Aerial Photographs, Sanborn Maps, and City Directories.

DeLorme, Inc.: U.S.G.S. 7.5-minute quadrangle maps; Alief, Texas (1982).